

UNIVERSIDADE FEDERAL DO PARANÁ

BRUNA ELIZ ZOREK

AÇÕES URGENTES SÃO NECESSÁRIAS PARA CONSERVAR A ECORREGIÃO
CRITICAMENTE AMEAÇADA DA FLORESTA COM ARAUCÁRIA

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Dissertação apresentada ao curso de Pós-Graduação em Ecologia e Conservação, Setor de Ciências Biológicas, Universidade Federal do Paraná, como requisito parcial à obtenção do título de Mestre em Ecologia e Conservação.

Orientador: Prof. Dr. Marcos Bergmann Carlucci

Coorientador: Dr. Peter Leimgruber

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RESUMO

A Floresta com Araucária é um componente único e essencial do *hotspot* da Mata Atlântica, pois abriga antigas linhagens de plantas, e sua espécie dominante, *Araucaria angustifolia*, é considerada um recurso vegetal-chave para a fauna e para os povos tradicionais em toda a sua extensão original. *Araucaria angustifolia* está criticamente ameaçada de extinção, principalmente devido à exploração insustentável de madeira e conversão do uso da terra durante o século passado. Entretanto, o atual estado de conservação da Floresta com Araucária ainda é pouco compreendido. Embora as taxas de perda da cobertura vegetal possam ter diminuído nas últimas décadas, as estimativas atuais dessa ecorregião podem estar excessivamente otimistas, já que ainda existe extração ilegal persistente e uma falta de detalhamento nas avaliações anteriores. Nesta dissertação, objetivei avaliar a cobertura remanescente da Floresta com Araucária em sua distribuição histórica (Brasil e Argentina) usando imagens de satélite Sentinel-2 e classificação supervisionada de aprendizado de máquina (*“machine learning”*). Respondi às seguintes questões: i) Qual é a área da Floresta com Araucária remanescente em toda sua distribuição geográfica original? ii) Quão fragmentada está a Floresta com Araucária atualmente? e iii) Quanto da Floresta com Araucária remanescente está protegida atualmente? Usando o algoritmo *Random Forest*, desenvolvi um mapa de cobertura vegetal com uma precisão geral de 92% e um valor de Kappa de 0.88. A Floresta com Araucária remanescente se estende por apenas 4.34% da sua distribuição geográfica, abrangendo 1.185.541,16 ha, dos quais apenas 13.47% estão localizados dentro de áreas protegidas. Os fragmentos remanescentes da Floresta com Araucária são pequenos e altamente fragmentados, com 99% dos fragmentos cobrindo menos de 50 ha, constituindo 66.5% da área total da Floresta com Araucária, com apenas dois fragmentos restantes maiores que 5.000 ha. Os 10 maiores fragmentos remanescentes estão no Brasil, distribuídos em três estados: Rio Grande do Sul, Santa Catarina e Paraná. Políticas de conservação que incentivem a proteção e a restauração da Floresta com Araucária são urgentemente necessárias para proteger esta ecorregião da extinção nas próximas décadas.

Palavras-chave: *Araucaria angustifolia*. Conservação. Mata Atlântica. Sensoriamento remoto. Sentinel-2.

ABSTRACT

The *Araucaria* mixed forest is a unique and critical component of the Atlantic Forest biodiversity hotspot because it harbors ancient plant lineages and its dominant species, *Araucaria angustifolia*, which is considered a keystone plant resource for fauna and traditional cultures throughout its original range. *Araucaria angustifolia* is critically endangered, mainly because of unsustainable timber exploitation and land use conversion during the last century, and the current conservation status of the *Araucaria* mixed forest is poorly understood. Although loss rates may have declined in recent decades, current estimates of the remaining cover of this ecoregion may be overly optimistic because of persistent logging and a lack of detail in previous estimates. Here, I aim to evaluate the remaining cover of *Araucaria* mixed forest across its historical distribution using Sentinel-2 satellite imagery and machine-learning algorithm. I answered the following questions: i) What is the area of *Araucaria* mixed forest remaining throughout the species' geographic range? ii) How fragmented is the *Araucaria* mixed forest today? and iii) How much of the remaining *Araucaria* mixed forest is currently protected? Using the random forest algorithm, I developed a land cover map with an overall accuracy of 92% and a Kappa value of 0.88. The remaining *Araucaria* mixed forest extends across only 4.34% of the species' geographic range, encompassing 1,185,541.16 ha, of which only 13.47% are located within protected areas. Remaining *Araucaria* mixed forest patches are small and highly fragmented, with 99% of the patches covering less than 50 ha while constituting 66.5% of the total remaining area of *Araucaria* mixed forest, with only two patches left that are larger than 5,000 ha. The top-10 largest remaining *Araucaria* mixed forest patches are in Brazil, distributed across three states: Rio Grande do Sul, Santa Catarina and Paraná. Conservation policies increasing protection and restoration of the *Araucaria* mixed forests are urgently needed to safeguard this ecoregion from extinction in the coming decades.

Keywords: *Araucaria angustifolia*. Atlantic Forest. Conservation. Remote sensing. Sentinel-2.

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APRESENTAÇÃO

Esta dissertação foi redigida em formato de artigo científico a ser submetido à revista *Nature Communications*, uma revista multidisciplinar de acesso aberto de alto fator de impacto (JCR 2020 = 14.919), que tem em seu escopo importantes trabalhos da área de ciências biológicas.

A Floresta com Araucária é um componente único e essencial da Mata Atlântica, pois abriga antigas linhagens de plantas (RAMBO, 1951). Esse tipo florestal sofreu grande devastação no século passado (KOCH; CORRÊA, 2002), e seu desmatamento continua acontecendo, embora estimativas apontem para uma diminuição das taxas de perda de cobertura nas últimas décadas (FUNDAÇÃO SOS MATA ATLÂNTICA; INPE, 2021). Trabalhos anteriores que quantificaram a área remanescente de Floresta com Araucária (por exemplo, Ribeiro *et al.* (2009)) podem ter superestimado seus resultados, por terem considerado toda a vegetação nativa dentro da distribuição desse tipo florestal como de fato Floresta com Araucária, não considerando a presença da *Araucaria angustifolia* com densidade superior a 50% em muitos remanescentes (OLIVEIRA-FILHO, 2009). Essa espécie é dominante e define a Floresta com Araucária, sendo também considerada uma espécie-chave para esse ecossistema, bem como uma espécie culturalmente importante no sul do Brasil (BOGONI *et al.*, 2020; TAGLIARI *et al.*, 2021). Neste trabalho, busco responder às seguintes questões: i) Qual é a área da Floresta com Araucária remanescente em toda sua distribuição geográfica original? ii) Quão fragmentada está a Floresta com Araucária atualmente? e iii) Quanto da Floresta com Araucária remanescente está protegida atualmente? Embora trabalhos recentes mostrem que parte da Mata Atlântica tenha se regenerado nos últimos anos (REZENDE *et al.*, 2018), espera-se que a Floresta com Araucária tenha diminuído sua área remanescente total, considerando que muitas das florestas regeneradas na área de distribuição da Floresta com Araucária podem de fato não incluir indivíduos de *A. angustifolia*. Além disso, espera-se que o nível de fragmentação destes remanescentes seja maior do que os reportados anteriormente, devido ao desmatamento ilegal que ainda continua ocorrendo nesse bioma (FUNDAÇÃO SOS MATA ATLÂNTICA; INPE, 2021). Por fim, espera-se que os fragmentos remanescentes também estejam pouco protegidos por unidades de conservação e

terras indígenas, considerando que há um viés para maior proteção em alguns biomas em detrimento de outros (VIEIRA; PRESSEY; LOYOLA, 2019).

Para responder a essas perguntas, utilizamos o sensoriamento remoto baseado em imagens de satélite, as quais detectam as taxas de absorção e refletância da luz nos diferentes tipos de uso do solo. Os satélites óticos já vêm sendo explorados na detecção da cobertura vegetal e suas mudanças em nível global (HANSEN *et al.*, 2013) e regional (REZENDE *et al.*, 2018; RIBEIRO *et al.*, 2009) de forma bastante eficiente. Para este trabalho, foram utilizadas imagens de satélite *Sentinel-2 Surface Reflectance (S2 MSI, Level 2A)*, o qual possui resolução de 10 m para a luz visível e do infravermelho próximo, e de 20 m para a banda do vermelho, e está disponível para uso gratuito.

A área de estudo foi delimitada a partir de quatro outras definições existentes na literatura, a fim de incluir a área mais abrangente possível para a detecção dos remanescentes florestais. Processei 3265 imagens de satélite de média resolução, *Sentinel-2 Surface Reflectance (S2 MSI, Level 2A)*, entre os anos 2018 e 2019 para computar as variáveis espectrais dentro da área de estudo (Tabela S1). A computação das variáveis espectrais foi realizada a partir das bandas B2-B8A, B11 e B12, dos índices computados de NDVI, RVI, NDSI, EVI e de métricas de textura (*Gray Level Co-occurrence Matrix (GLCM)*), baseadas em Haralick; Shanmugam; Distein (1973) e Connors; Trivedi; Harlow (1984). Todos esses passos foram realizados dentro da plataforma *Google Earth Engine (GEE)*, GORELICK *et al.*, 2017), um ambiente gratuitamente disponibilizado pela Google, o qual é amplamente utilizado em trabalhos de sensoriamento remoto por ser capaz de processar rapidamente um grande número de dados utilizando seus próprios algoritmos e seu processador na nuvem.

Além disso, delimito polígonos de treinamento e de validação em imagens de alta resolução disponibilizada no GEE e no *Google Earth Pro* (GOOGLE LLC, 2021) para realizar uma classificação supervisionada a partir de técnicas de aprendizado de máquina (*"machine learning"*). O algoritmo utilizado para tal classificação foi o *Random Forest* (BREIMAN, 2001), um algoritmo não paramétrico que cria árvores de decisão para identificar quais variáveis são mais significativas para a classificação e que é amplamente utilizado no sensoriamento remoto (GISLASON; BENEDIKTSSON; SVEINSSON, 2006). Para calcular a acurácia da minha classificação, criei uma matriz de confusão e calculei o índice Kappa. O mapa

resultante da classificação supervisionada no GEE foi exportado para o software ArcGis (ESRI INC., 2021) para realização das análises espaciais seguintes, as quais incluem o cálculo da área total remanescente, a contabilização da quantidade de fragmentos e sua classificação em classes de tamanho, bem como a sobreposição com áreas protegidas de unidades de conservação e terras indígenas para a identificação e contabilização de áreas remanescentes protegidas.

Baseado no mapa de cobertura vegetal produzido, encontrei que a Floresta com Araucária remanescente se estende por 1.185.541,16 ha atualmente, o que corresponde a apenas 4,34% da sua área de distribuição original. A classificação teve uma acurácia geral de 92% e valor de Kappa de 0,89. Para a classe específica da Floresta com Araucária, a acurácia do usuário foi de 0,76 e acurácia do produtor foi de 0,77, as quais indicam que existe 24% de erro de comissão e 23% de erro de omissão nas localidades do mapa gerado. Além disso, os dados também servem de suporte para que a espécie *A. angustifolia* permaneça classificada como uma espécie criticamente ameaçada de extinção, pois ela de fato perdeu uma área maior que 80% da sua distribuição geográfica (THOMAS, 2013).

Identifiquei ainda que a Floresta com Araucária remanescente está altamente fragmentada, com a grande maioria das suas manchas (~99%) tendo menos de 50 ha, o que corresponde a 66,55% da área remanescente total. Existem apenas duas manchas com mais de 5.000 ha, sendo que as 10 maiores delas estão todas localizadas no Brasil. Os estados do Sul do Brasil possuem os maiores fragmentos remanescentes, sendo o Paraná o mais representativo (20 fragmentos com mais de 1000 ha), seguido do estado de Santa Catarina (17) e Rio Grande do Sul (2), respectivamente (Tabela S2). Os estados de São Paulo, Rio de Janeiro, Minas Gerais e a província de Misiones (Argentina) possuem apenas fragmentos menores do que 1000 ha. Todos esses fragmentos estão localizados em dois diferentes tipos de matriz: uma antropogênica, cercada por monoculturas, silviculturas e pastos; e uma matriz de floresta natural, composta por outras espécies vegetais nativas.

O atual *status* de conservação da Floresta com Araucária é preocupante, pois apenas 159.789,3 ha (0,5% da área de estudo), que corresponde a 13,47% dos fragmentos remanescentes, estão atualmente protegidos em unidades de conservação e terras indígenas. A maioria das áreas remanescentes protegidas atualmente estão localizadas em unidades de conservação de uso sustentável

(104.646 ha; 8,82%), enquanto as áreas dentro de unidades de conservação de proteção integral correspondem a apenas 19.908,4 ha (4,2%). Os 10 maiores fragmentos remanescentes correspondem a uma área de 41.315 ha, e estão protegidos parcialmente (13.124,28 ha), correspondendo a 8,2% da área total protegida atualmente (159.789,3). Esses grandes fragmentos estão inclusos em cinco unidades de conservação, sendo elas: Parque Nacional de São Joaquim (SC), Reserva Particular do Patrimônio Natural Complexo Serra da Farofa (SC), Área de Proteção Ambiental da Serra da Esperança (PR), Estação Ecológica Estadual Aratinga (RS) e Área de Proteção Ambiental Estadual do Piraquara (PR).

As novas estimativas que apresento são alarmantes e demonstram a grande quantidade de perda de habitat e fragmentação que a Floresta com Araucária sofreu, ainda mais no atual contexto, quando algumas iniciativas do setor público e privado buscam flexibilizar a exploração de remanescentes de Floresta com Araucária em terras privadas (Projeto de Lei 537/2019). A consequência de novos declínios, ou até mesmo a extinção de *A. angustifolia*, poderiam desencadear grandes impactos negativos adicionais para a natureza e sociedade humana, inclusive a perda ou declínio de serviços ecossistêmicos, como a diminuição de estoque de carbono, do abastecimento de água e de serviços culturais (de PAULA; COSTA; TABARELLI, 2011; BPBES, 2020; TAGLIARI *et al.*, 2021). Para aumentar a conservação e restauração da Floresta com Araucária nas próximas décadas, diferentes estratégias integrativas devem ser utilizadas no setor público e privado. Se faz necessário que haja uma continuidade na fiscalização nas áreas de Reserva Legal de propriedades rurais para garantir que a exploração dos recursos naturais ocorra de forma sustentável, bem como a implementação de projetos de Pagamento por Serviços Ambientais (PSA) para dar incentivos econômicos aos proprietários que conservam suas florestas. Além disso, incentivos fiscais a projetos de restauração dentro dessa fitofisionomia se mostram fundamentais para recuperação da Floresta com Araucária a longo prazo, assim como a inclusão dos maiores remanescentes atuais em estudos de priorização espacial para a conservação.

REFERÊNCIAS

BOGONI, J. A. *et al.* Testing the keystone plant resource role of a flagship subtropical tree species (*Araucaria angustifolia*) in the Brazilian Atlantic Forest. **Ecological Indicators**, v. 118, p. 106778, 2020. Available at: <https://doi.org/https://doi.org/10.1016/j.ecolind.2020.106778>

BREIMAN, L. Random Forests. **Machine Learning**, v. 45, p. 5–32, 2001. Available at: https://doi.org/10.1007/978-3-030-62008-0_35

CONNERS, R. W.; TRIVEDI, M. M.; HARLOW, C. A. Segmentation of a high-resolution urban scene using texture operators. **Computer Vision, Graphics, & Image Processing**, v. 25, n. 3, p. 273–310, 1984. Available at: [https://doi.org/10.1016/0734-189X\(84\)90197-X](https://doi.org/10.1016/0734-189X(84)90197-X)

DE PAULA, M. D.; COSTA, C. P. A.; TABARELLI, M. Carbon storage in a fragmented landscape of Atlantic forest: The role played by edge-affected habitats and emergent trees. **Tropical Conservation Science**, v. 4, n. 3, p. 349–358, 2011. Available at: <https://doi.org/10.1177/194008291100400310>

ESRI INC. **ArcGIS Desktop (ArcMap version 10.8)**. Versão 10.8. Berkeley, California. 2021.

FUNDAÇÃO SOS MATA ATLÂNTICA; INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS. **Atlas dos remanescentes florestais da Mata Atlântica: período 2019/2020, relatório técnico**. São Paulo, 2021. Available at: https://www.sosma.org.br/wp-content/uploads/2021/05/SOSMA_Atlas-da-Mata-Atlantica_2019-2020.pdf.

GISLASON, P. O.; BENEDIKTSSON, J. A.; SVEINSSON, J. R. Random forests for land cover classification. **Pattern Recognition Letters**, v. 27, p. 294–300, 2006. Available at: <https://doi.org/10.1016/j.patrec.2005.08.011>

GOOGLE LLC. **Google Earth Pro (Version 7.3.4)**. Versão 7.3.4, 2021.

GORELICK, N. *et al.* Google Earth Engine: Planetary-scale geospatial analysis for everyone. **Remote Sensing of Environment**, v. 202, p. 18–27, 2017. Available at: <https://doi.org/10.1016/J.RSE.2017.06.031>

HANSEN, M. C. *et al.* High-Resolution Global Maps of 21st-Century Forest Cover Change. **Science**, v. 342, p. 850–853, 2013.

HARALICK, R. M.; SHANMUGAM, K.; DISTEIN, I. Textural Features for Image Classification. **IEEE TRANSACTIONS ON SYSTEMS, MAN AND CYBERNETICS**, v. SMC-3, n. 6, p. 610–621, 1973.

KOCH, Z.; CORRÊA, M. C. **Araucária - A Floresta do Brasil Meridional**. Curitiba: Olhar Brasileiro, 2002.

OLIVEIRA-FILHO, A. T. Classificação das fitofisionomias da América do Sul cisandina tropical e subtropical: proposta de um novo sistema - prático e flexível - ou uma injeção a mais de caos? **Rodriguésia**, v. 60, n. 2, p. 237–258, 2009. Available at: <https://doi.org/10.1590/2175-7860200960201>

RAMBO, B. O elemento Andino do Pinhal Riograndense. **Anais Botânicos do Herbário Barbosa Rodrigues**, v. 3, p. 3–36, 1951.

REZENDE, C. L. *et al.* From hotspot to hopespot: An opportunity for the Brazilian Atlantic Forest. **Perspectives in Ecology and Conservation**, v. 16, n. 4, p. 208–214, 2018. Available at: <https://doi.org/10.1016/j.pecon.2018.10.002>

RIBEIRO, M. C. *et al.* The Brazilian Atlantic Forest: How much is left, and how is the remaining forest distributed? Implications for conservation. **Biological Conservation**, v. 142, p. 1141–1153, 2009. Available at: <https://doi.org/10.1016/j.biocon.2009.02.021>

TAGLIARI, M. M. *et al.* Collaborative management as a way to enhance Araucaria Forest resilience. **Perspectives in Ecology and Conservation**, v. 19, p. 131–142, 2021. Available at: <https://doi.org/10.1016/J.PECON.2021.03.002>

THOMAS, P. *Araucaria angustifolia*. The IUCN Red List of Threatened Species 2013. **Espécies nativas da flora brasileira de valor econômico atual ou potencial: plantas para o futuro – Região Sul**, p. 414–418, 2013. Available at: <https://www.iucnredlist.org/species/32975/2829141>

VIEIRA, R. R. S.; PRESSEY, R. L.; LOYOLA, R. The residual nature of protected areas in Brazil. **Biological Conservation**, v. 233, p. 152–161, 2019. Available at: <https://doi.org/10.1016/j.biocon.2019.02.010>

Urgent actions are needed to save the critically-endangered *Araucaria* mixed forest ecoregion from extinction

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ABSTRACT

The *Araucaria* mixed forest is a unique and critical component of the Atlantic Forest biodiversity hotspot, because it harbors ancient plant lineages, and its current conservation status is poorly understood. Here, we aim to evaluate the remaining cover of *Araucaria* mixed forest across its historical distribution, its fragmentation and protection status, using Sentinel-2 satellite imagery and machine-learning algorithm. We developed a forest cover map with an overall accuracy of 92% and a Kappa value of 0.88. We found that the remaining *Araucaria* mixed forest extends across only 4.34% of the original geographic range, encompassing 1.1 Mha, of which only 13.47% are located within protected areas. Remaining patches are small, with 99% of the patches covering less than 50 ha while constituting 66.5% of the total remaining area. Conservation policies encouraging increased protection status and restoration are urgently needed to safeguard this ecoregion from extinction in the coming decades.

1 INTRODUCTION

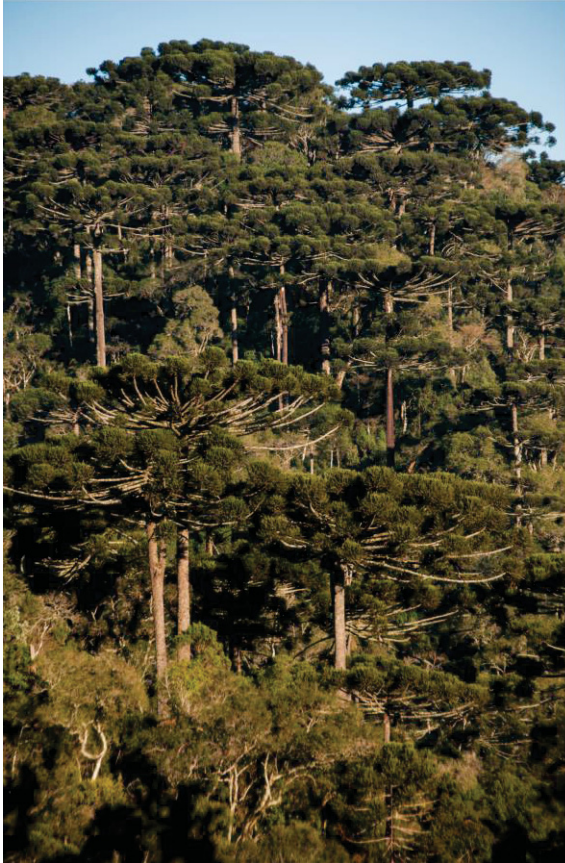
The *Araucaria* mixed forest is a critically-endangered ecoregion, because it has lost more than 50% of its original cover and has an area of habitat conversion that outpaces protected areas by at least 25 times¹. This ecoregion is part of the Atlantic Forest biodiversity hotspot, which harbors high levels of biodiversity and endemism and also is a severely degraded biogeographic domain²⁻⁴. The *Araucaria* mixed forest represents a unique component of the Atlantic Forest biodiversity hotspot, because it is home for ancient plant lineages⁵, supporting a relatively high phylogenetic diversity in comparison to other Atlantic Forest types⁶. These forests were once widespread across South America and are an integral part of the region's natural heritage with great relevance for conservation⁷. The *Araucaria* mixed forest is defined according to the prominence and abundance of the coniferous tree *Araucaria angustifolia* (Bert.) O. Kuntze (*Araucaria*), which typically accounted for at least 50% of canopy cover^{8,9} and 30-68% of the basal area in phytosociological studies^{10,11}. This ecoregion is now occupied by millions of humans, that benefit from ecosystem services provided by the forest, such as climate regulation, water provisioning, erosion control and pollination of croplands¹²⁻¹⁴.

Araucaria angustifolia is considered a keystone plant resource for associated fauna because it provides vertical and spatial heterogeneity that supports a wide range of frugivorous species¹⁵. It is also a culturally-important species because of the significance of *Araucaria* nuts (*pinhão*) for subsistence and transmission of traditional ecological knowledge (e.g.; experiences with environment transmitted from generations¹⁶) by local communities and commercial use by smallholders¹⁷. The pinhão has been a traditional food source for indigenous people and continues to be widely consumed by people in southern Brazil^{17,18}. Finally, this species is widely recognized by its peculiar architecture, which resembles a candelabrum (Fig. 1), and is commonly considered a living fossil¹⁹, because it conserved several traits that appeared in the Araucariaceae lineage some 308 million of years ago²⁰.

Araucaria angustifolia is critically endangered mainly because of unsustainable timber exploitation and land use changes during the 20th Century²¹. *Araucaria angustifolia* has been the main timber exploited for export to other Latin American countries and Europe, and until 1960, the species constituted most of the 18.5 billion cubic meters of wood extracted across southern Brazil for export¹⁸. This

extraction resulted in a huge reduction of standing carbon from the ecosystem in Brazil with potentially significant impacts to regional climate and water regulation^{22–24}.

a)



b)



Figure 1: *Araucaria* mixed forest and *A. angustifolia* nuts (*pinhão*). a) An old-growth *Araucaria* mixed forest in Fazenda Santana (Palmas/Paraná), showing the prominence and high abundance of the candelabrum-shaped Paraná-Pine (*Araucaria angustifolia*). This species harbors several traits that first evolved some 308 million years ago²⁰, which explains why it is considered a living fossil; b) *Araucaria* nuts (*pinhão*), which has been a traditional food source for indigenous people and continues to be widely consumed by people in southern Brazil^{17,18}. Photographs author: Zig Koch/Natureza brasileira ©.

Despite its great importance for economics, culture and ecosystem service provisioning, the conservation of the species *A. angustifolia* and the ecoregion *Araucaria* mixed forest have been neglected. The most recent evaluation of remaining *Araucaria* mixed forest was based on Landsat satellite image analyses from 2005, and estimated that 12.6% (3,202,134 ha) of the original range of this ecoregion (25,379,316 ha) remained (Table S1)⁴. Additional subregional satellite-based studies also demonstrated habitat loss though apparently less dramatic. For example, remaining *Araucaria* mixed forests was reduced to 29.4% of their former range in Paraná State by 1998²⁵, 32.1% in Santa Catarina State by 2008²⁶ and 12% in Rio Grande do Sul State by 2002²⁷. The assessments by Vibrans et al.²⁶ and

Cordeiro & Hasenack²⁷ did not separate between different age classes of *Araucaria* mixed forests and very little information exists on how much of the most valuable, old growth *Araucaria* mixed forests survives. A more detailed study by Castella & Britez²⁵, also based on the analysis of satellite imagery, found only 0.8% of old growth *Araucaria* mixed forests still endured in Paraná State by 1998 (Table S1). Deforestation of *Araucaria* mixed forests continues across the region albeit at a slower pace than historically²⁸.

Most previous studies delineated “potential” *Araucaria* mixed forest areas, based on forest presence in geographic areas assumed to historically support *Araucaria* mixed forest (e.g. Ribeiro et. al.⁴). The focus on “potential” *Araucaria* mixed forest was mostly due to limitations in using image classification of optical satellite data to accurately map and differentiate forest patches with the presence of *A. angustifolia* individuals from other forest types, i.e., forest lacking this tree species. This likely resulted in overestimation of the remaining cover of the ecoregion. Subregions of the *Araucaria* mixed forest^{25–27} may be useful to assess local declines in the species and ecoregion, but do not allow for range-wide status assessments of the species and the ecoregion. The most widely used data to indicate the currently status of *A. angustifolia* is a study that was based on mid-resolution satellite images (Landsat MSS at 80m) and aerial photograph from the 60s and 70s and found only 3.55% (565,419 ha out of 15,916,854.60 ha; forest with density > 50% of *A. angustifolia*) of remaining area²⁹. This study continues to be widely used in conservation assessments of *Araucaria*, but needs to be urgently updated using recent and much enhanced satellite data and robust analytical approaches. To improve policies and plans for sustainable management and conservation of the *Araucaria* mixed forest and associated biodiversity, we must know how much of *Araucaria* mixed forest still remains and where these forests are located.

We aim to evaluate the remaining distribution and cover area of the *Araucaria* mixed forest across the ecoregion’s historical distribution using Sentinel-2 satellite data at 20-m resolution, in combination with machine-learning approaches. Specifically, we answer the following questions: i) What is the remaining area of *Araucaria* mixed forest throughout the original range of this ecoregion? ii) How fragmented are the remaining patches of *Araucaria* mixed forest? and iii) How much of the remaining *Araucaria* mixed forest is currently protected (i.e., included in IUCN protected area categories I–VI and indigenous lands)? Although recent study shows

that part of the Atlantic Forest has regenerated in recent years³, it is expected that the *Araucaria* Forest has reduced its total remaining area, considering that many of the regenerated forests in the Forest's distribution area with *Araucaria* may in fact not include individuals of *A. angustifolia*. In addition, the level of fragmentation of these remnants is expected to be greater than previously reported, due to the illegal deforestation that is still taking place in this biome²⁸. Finally, it is expected that the fragments remnants are also poorly protected by protected areas and indigenous lands, considering that there is a bias towards greater protection in some biomes to the detriment of others³⁰. The data, maps and tools generated by our research will be useful for informing actions towards the conservation and management of *A. angustifolia* and the *Araucaria* mixed forest.

2 RESULTS

2.1 LAND COVER CLASSIFICATION

Based on our Random Forest classification of recent Sentinel-2 imagery, we found that remaining *Araucaria* mixed forest extends across 1,185,541.16 ha, which equals only 4.34% of the original geographic range of the ecoregion (Figure 2, Table S2). Our classification considers only remnants with more than 50% of crown *A. angustifolia* trees.

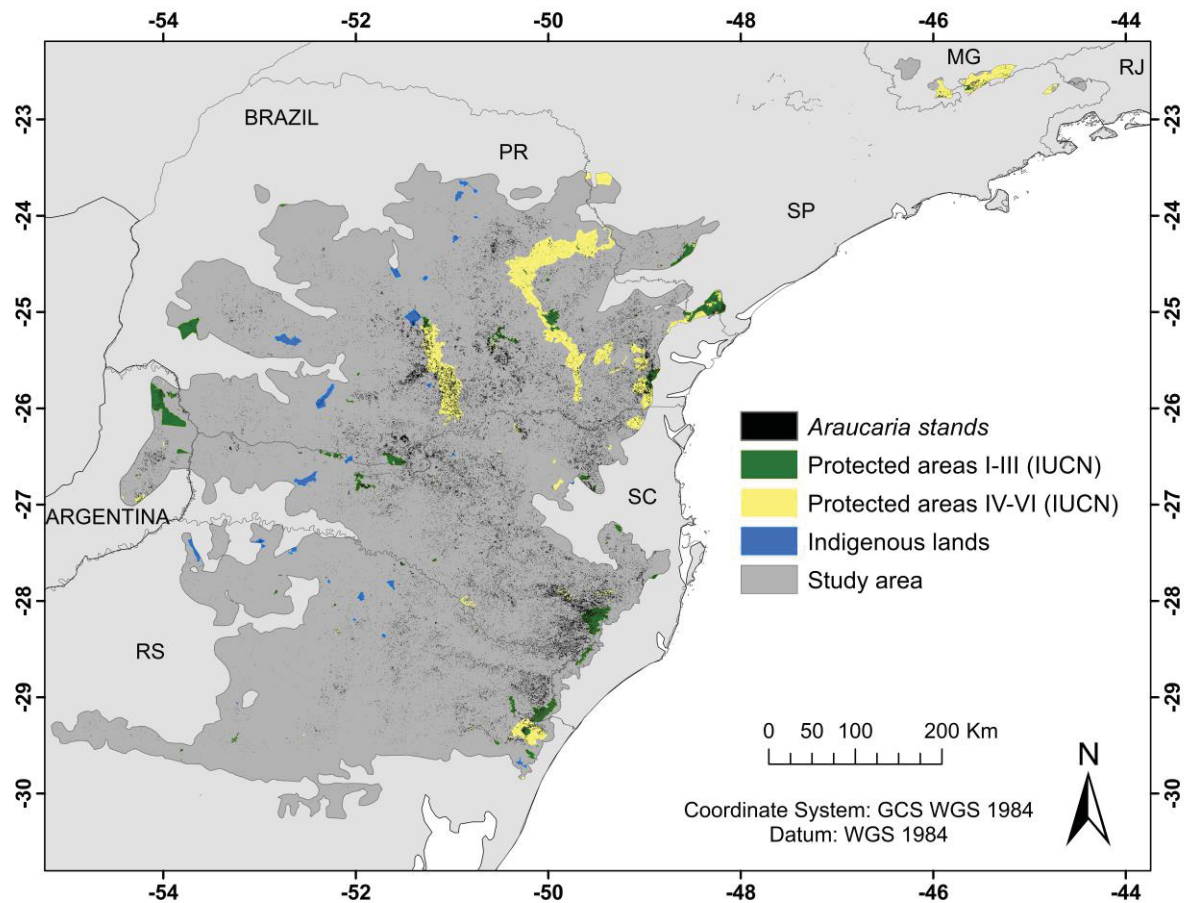


Figure 2: Distribution of *Araucaria* mixed forest remaining within its original range in Southern and Southeastern Brazil and Northeastern Argentina. Strictly protected areas (I-III IUCN category), protected areas for sustainable use (IV-VI IUCN category) and indigenous land are depicted. Mapping of *Araucaria* mixed forest was based on Sentinel-2 satellite imagery from 2018 and 2019.

2.1.1 Accuracy of land cover classification

The overall accuracy for separating all cover types in our map was 92% based on the error matrix and accuracy analysis (Table S3), and showed a Kappa value of 0.89. User's accuracy is associated with commission error, while the Producer's accuracy is associated with the omission error. In the case of the *Araucaria mixed forest*, the User's accuracy for our classification was 0.76, which means that 76% of the areas classified as *Araucaria* mixed forest on the map are effectively of this class in the field. Our Producer's accuracy was 0.77, which means that 77% of the areas of this ecoregion were correctly classified as *Araucaria* mixed forest in our map.

2.2 FRAGMENTATION STATUS

The remaining *Araucaria mixed forest* is highly fragmented and scattered, with most remaining *Araucaria* patches (~99%) with less than 50 ha, which corresponds to 66.55% of the total remaining area, and only two patches left that are larger than 5,000 ha (Table 1). The top-10 largest *Araucaria* mixed forest patches remaining are located in Brazil, distributed across three states, namely Rio Grande do Sul (RS), Santa Catarina (SC) and Paraná (PR), (Table 2, Figure 3).

Table 1: Total area (ha) and number of remaining *Araucaria mixed forest patches* mapped using Sentinel-2 satellite imagery (2018-2019) in the *Araucaria mixed forest range* (27,304,154.72 ha).

Size category (ha)	Total area (ha)	Percent of total area	Number of patches	Percent of number of patches
0.04-50	788,947.40	66.55	638,709	99.61
50-100	100,968.72	8.52	1,482	0.23
100-250	110,171.92	9.29	754	0.12
250-500	64,414.36	5.43	188	0.03
500-1000	37,621.60	3.17	55	0.01
1000-2500	44,523.68	3.76	30	0.0047
2500-5000	25,431.56	2.15	7	0.0011
5000-10000	13,461.92	1.14	2	0.0003
Total	1,185,541.16	100	641,227	100

Table 2: ID, total area (ha) and Brazilian States of top-10 remaining *Araucaria mixed forest patches* mapped using Sentinel-2 satellite imagery (2018-2019) in the *Araucaria mixed forest range*. PR: Paraná, SC: Santa Catarina, RS: Rio Grande do Sul.

ID	Area (ha)	State
1	8,371.8	PR
2	5,090.12	SC
3	4,999.04	PR
4	4,358.76	SC
5	3,588.6	SC
6	3,450.68	SC
7	3,335.4	PR
8	2,970.08	SC
9	2,729	RS
10	2,421.52	PR

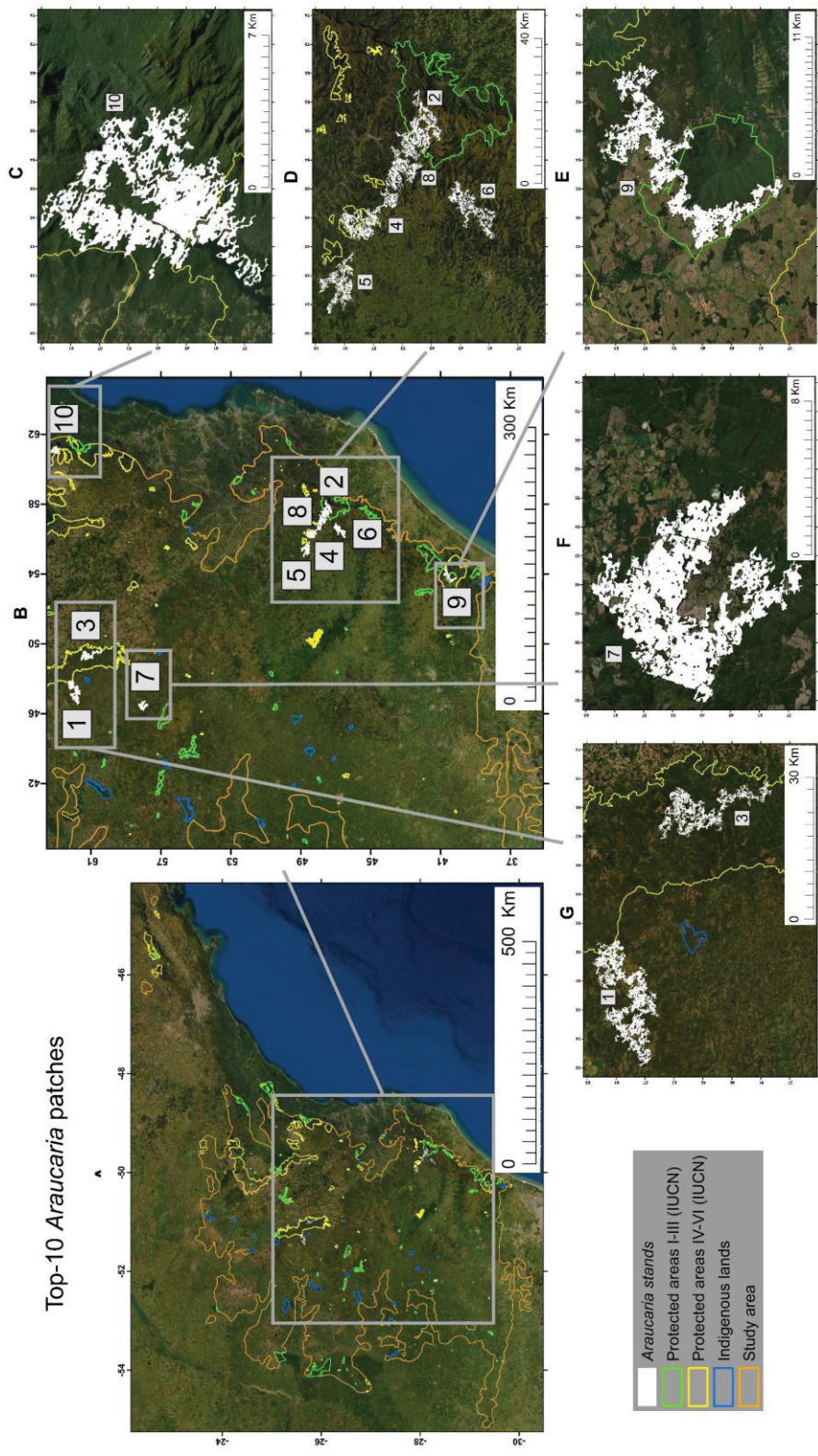


Figure 3: Top-10 *Araucaria* mixed forest patches remaining within its historical original range. (A) Study area showing the Top-10 remaining *Araucaria* mixed forest patches mapped using Sentinel-2 satellite imagery (2018-2019) in the *Araucaria* mixed forest range. (B) Zoom from study area in Rio Grande do Sul, Santa Catarina and Paraná states to show the Top-10 *Araucaria* mixed forest patches in five regions (C-G) in Brazil. (C) *Araucaria* mixed forest patch with 2,421.52 ha (10) in Eastern Paraná state, close to the Serra do Mar Mountain range. (D) *Araucaria* mixed forest patches with 2,970.08 ha (8), 3,450.68 ha (6), 3,588.60 ha (5), 4,358.76 ha (4) and 5,090.12 ha (2) in Eastern Santa Catarina state, close to National Park of São Joaquim. (E) *Araucaria* mixed forest patch with 2,729 ha (9) in Eastern Rio Grande do Sul state, inside the Ecological Station of Aratinga. (F) *Araucaria* mixed forest patch with 4,999.04 ha (3) and 8,371.8 ha (1) in Southern Paraná state, in the Serra da Esperança region. Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN and the GIS User Community.

2.3 PROTECTION STATUS

Araucaria mixed forest is currently not well protected, because 86.52% of the remaining patches (1,025,751.86 ha) are widely dispersed and not covered by protected areas. Only 159,789.3 ha (0.5% of the study area), corresponding to 13.47% of the remaining *Araucaria* mixed forest patches, are currently covered by protected areas and indigenous lands (Table 3). Only 49,908.4 ha (4.2%) of the remaining *Araucaria* mixed forest patches are located inside strictly protected areas (IUCN categories I-III), while 104,646 ha (8.82%) are covered by sustainable use protected areas (IUCN categories IV–VI). The area covered by the top-10 largest patches correspond to 41,315 ha (3.48% of the remaining forest). A total of 13,124.28 ha of this area is protected, which corresponds to 1.1% of the total remaining *Araucaria* mixed forest (1,185,541.16 ha) or 8.2% of the total area protected in the original distribution of the ecoregion (159,789.3 ha). These large patches are included in five protected areas, as follows: São Joaquim National Park (2, Fig. 4D), Private Reserve of Natural Heritage Complexo Serra da Farofa (4, Fig. 4D), State Environmental Protection Area of Serra da Esperança (3, Fig. 4G), Ecological Station of Aratinga (9, Fig. 4E) and Environmental Protection Area of Piraquara (10, Fig. 4C).

Table 3: Total area (ha) and percent of *Araucaria* mixed forest remaining inside protected areas mapped using Sentinel-2 satellite imagery (2018-2019) in the *Araucaria* mixed forest range. IUCN Categories I-III hold stronger use restrictions (strict protection), while IUCN Categories with levels IV-VI allow use of natural resources (sustainable use).

IUCN Category	Brazil's Protected areas system	Area (ha)	Percent of the remaining forest
Ia	Strict protection	8,353.76	0.70
II	Strict protection	39,625.48	3.34
III	Strict protection	1,929.16	0.16
IV	Sustainable use	4,169.92	0.35
V	Sustainable use	93,748.72	7.90
VI	Sustainable use	6,727	0.56
Indigenous land	Indigenous reserves	5,235.28	0.44
Total		159,789.3	13.47

3 DISCUSSION

The *Araucaria* mixed forest is more critically endangered than previously reported (12%)⁴. Our analyses and the resulting estimates demonstrate that currently only 4.34% of *Araucaria* mixed forest remain. Although our estimates are conservative, they represent the most recent and most detailed range wide assessment based on delineation of this endangered ecoregion. The little *Araucaria* mixed forest that remains is highly fragmented, with only a small portion being legally protected.

Our research confirms that *Araucaria* mixed forest had a loss of area greater than 95% of its geographic distribution²⁹. Based on IUCN red list criteria, *A. angustifolia* is a critically endangered species (CR), because >80% of its population has been lost²¹. In addition, future climate change may further endanger *A. angustifolia*, leading to a reduction in its potential distribution within the current remaining habitat by 2070¹⁹. IUCN classifies *A. angustifolia* as critically endangered²¹ based on an old remote sensing analysis that found that only 565,419 ha (3.55%) of typical *Araucaria* mixed forest (i.e. with >50% of canopy cover accounted for by *A. angustifolia*) remained by the 1970s²⁹. However, his study was based on a remote sensing analysis that used Landsat-2 images and aerial photographs from the 1960s to the 1970s, using pioneer, but currently outdated supervised classification procedures. Our study uses very recent data (2018-2019) from intermediate resolution images (20 m), much more spectral bands (13 vs. 4 in Gantzel's study²⁹) and different analytical methodology (machine learning vs. linear modelling). Our study provides an urgently needed update of the 1970s analysis, providing new information on the conservation and distribution status of this species. We recommend the use of our new estimate as a basis for future assessments of *A. angustifolia*.

Araucaria mixed forest suffered great habitat degradation in the last century with selective cutting and clearcutting³¹. The current regeneration found in recent studies³ may indicate much of these forests lack or have too few *A. angustifolia* trees. The loss and fragmentation of *Araucaria* mixed forest likely has resulted in significant loss of ecosystem services, such as declining mast crops of *Araucaria* seeds that support a diverse fauna¹⁵, decreased local carbon stock³², amplified edge-effects³³, and decrease cultural service for traditional peoples¹⁷. Moreover, the loss of

Araucaria mixed forest, which provide a critical food resource for animal species that depend on *pinhão* in the winter, bring on these species to suffer declines which may further cascade through food webs and the ecosystem and may reduce overall biodiversity³⁴.

Our results are alarming, especially in the current context of recent attempts by some public and private sector initiatives to increase harvesting of *Araucaria* mixed forest on private lands (Bill 537/2019, Paraná State). Continued or even increased unsustainable harvesting of *A. angustifolia* and other tree species will significantly increase the extinction risk for this species and its associated forest communities. The consequences of further declines or even the extinction of *A. angustifolia* likely would cascade through the system with major additional negative impacts for society resulting from declines in biodiversity, ecosystem services, and local sustainability. In addition, the loss of *A. angustifolia*, which is the state tree of Paraná, also would result in significant losses in cultural and traditional values, as well as natural heritage.

Our research showed that only about one million hectares of the *Araucaria* mixed forest remain. Although this may seem like a lot, at forest loss rates currently observed in the Amazon³⁵, this forest could be extinguished in just one year. When we analyze the three states that have the largest amount of remaining *Araucaria* mixed forest (PR, SC and RS), the state of Paraná shows the highest deforestation rates in the Atlantic Forest²⁸. Although the last estimate shows a 22% decrease in deforestation rate in the period 2019-2020 from the previous period (2018-2019), this state still lost 2,151 ha of native forest. Most of this loss occurred in Paraná's south, where the *Araucaria* mixed forests historically have been the dominant ecoregion. Interestingly, the last three large *Araucaria* mixed forest remnants are also found in the southern region of Paraná, potentially indicating that they are imminently threatened by deforestation (Figure 4F-G). Moreover, the deforestation in SC and RS states has increased 25% and 73% in the last year, with 887 ha and 252 ha has been deforested in SC and RS states in the period 2019-2020, respectively²⁸.

Most of the area covered by *Araucaria* mixed forest is highly fragmented and mostly in patches smaller than 50 ha. These remaining *Araucaria* mixed forest patches are located in two different matrix types: an anthropogenic matrix, surrounded by monocultures, silvicultures and pastures, and a natural forest matrix, composed by other tree species. Most *Araucaria* mixed forest patches are very small

and are located in the anthropogenic matrix. This is concerning because fragmentation, when caused by habitat loss and changes in land use, can lead to loss of biodiversity^{36,37} and ecosystem services^{38–40}. Although small forest fragments are often regarded less valuable than large forests because of their reduced potential for conserving biodiversity, together the remaining small *A. angustifolia* fragments (i.e., the 99% of the total amount of fragments with <50 ha) make up 65% of the area of all remaining *Araucaria* mixed forest. Thus, even small fragments are highly valuable for the overall survival of the species and should be conserved. *Araucaria mixed forest patches* that are surrounded by natural forest matrix may still retain some connectivity, because the surrounding forests may facilitate dispersal, i.e., provide some connectivity, and buffer *Araucaria mixed forest* from detrimental human activities. However, the lack of *A. angustifolia* trees in the surrounding forest, most likely regenerated in the last few decades³, compromised appropriate functioning and provisioning of services by these ecosystems.

Remaining *Araucaria* mixed forest patches are not well protected in the current protected area network of Brazil and Argentina. Our results show that only a minor proportion of the remaining *Araucaria* mixed forest are within protected areas (154,554.02 ha – 13,03%) and indigenous reserves (5,235.28 ha – 0.44%), the majority of which are in areas of sustainable use (e.g., IUCN IV–VI). Only 31.76% (13,124.28 ha) of the top-10 largest remaining fragments are legally protected and all of them are located in Brazil. Although Brazil has reached the Aichi Biodiversity Target 11, whose aim was to protect > 17% of land surface by 2020⁴¹, some biogeographic regions, such as the Atlantic Forest are underrepresented. More specifically, 18% of Brazilian land surface is under protection (153.05 million ha), while the Atlantic Forest represents only 7.34% of them (11.24 million of hectares³⁰) and the *Araucaria* mixed forest only 0.1% (0.15 million of hectares; this study).

Other alternatives for protection of *Araucaria* mixed forest include conservation on private lands. Previous studies indicate that about 12% of the Atlantic Forest is included within Legal Reserves in Brazil⁴², which are areas of native vegetation covered within private properties which are protected by national legislation (Table S4). These areas may complement the role of public protected areas and indigenous lands because the rural landowners are required to keep 20% of their areas with native vegetation conserved (Law 12.651/2012). Although Legal Reserves may represent a significant increase in protected area, the status of conservation of

forests in these private lands depend on how sustainable is the use made by landowners and how much this use is monitored by environmental agencies. Landowners are allowed to apply sustainable management and exploitation, and thus have an alternative income with the sale of non-wood products. Payment for Environmental Services (PES) also may also be an option for the conservation of natural habitats on private properties. PES is an alternative method to generate financial incentives for private property owners to maintain forest areas beyond the minimum amount required by law. The “Roads with *Araucarias* Project” is a PES project in Paraná State which encourages the planting of *A. angustifolia* trees on private properties of small family farms along roadways. The payment is done by private companies as compensation for greenhouse gas emissions. Companies pay R\$1,000.00 (approximately US\$ 200) annually for every 200 *Araucaria* trees planted. Annual payment lasts for 10-15 years, the time it takes for the trees to complete their development and start producing *pinhão*, which also can be sold and bring extra income to rural producers. By now 20,000 trees have been planted, with a capacity sequestration of 1,940 tons of CO₂ year⁻¹^{43,44}. This project is a good example to be used as a model to implement the PES and promote connectivity between *Araucaria* mixed forest patches and increase the number of individuals of the critically-endangered *A. angustifolia*.

Given that most of the *Araucaria* mixed forest patches are small, isolated and surrounded by anthropogenic land use, active restoration approaches represent important and urgent tools for increasing the area covered by the *Araucaria* mixed forest. *Araucaria angustifolia* has a great natural regeneration capacity⁴⁵, and also acts as nurse plants, being important to attract disperser birds, promoting the arrival and establishment of other tree species⁴⁶. Populations of *A. angustifolia* still hold significant genetic diversity despite the major historical reduction suffered by the species, which also supports its high potential for restoration efforts⁴⁷. We recommend integrating strategies from the public and private sectors (land sharing and land sparing) to increase conservation and restoration of the *Araucaria* mixed forest in the coming decades. The top-10 largest fragments need to be included in an expansion of the existing protected area network for Atlantic Forest or at least be prioritized in conservation actions planned for private lands, especially the 68.23% currently not protected. In addition, it is necessary to continue the application and enforcement of the law for the protection of legal reserves in private properties,

as well as the dissemination of projects aimed at payment for environmental services in the private sector.

A previous estimate from 2009 reports about three million hectares of remaining *Araucaria* mixed forest cover⁴, roughly two million ha more than we detected. This difference may be due to dramatic declines in the intervening time, but may also be related to differences in the data (Landsat-5 vs Sentinel-2), and classification methods. Previous assessments, such as Ribeiro et al.⁴, considered all forests within the geographical distribution of the *Araucaria* mixed forest as belonging to this ecoregion, which likely included forests without *A. angustifolia*. In our study, we focused on mapping *Araucaria* mixed forest patches using training data in a machine learning classification of multi-spectral data. In addition, we used Sentinel-2 satellite data which has higher spatial and spectral resolution than the Landsat-5 data utilized by Ribeiro et al.⁴. This allowed us to delineate *Araucaria* mixed forest patches directly rather than inferring their presence based on the somewhat crude assumption that forests in this ecosystem area should be *Araucaria* mixed forest. Finally, we know that illegal deforestation continues to occur, and part of the difference in these estimates is certainly due to a loss of real area of the *Araucaria* mixed forest²⁸. Future studies should focus on the new technologies available and increasingly accurate to monitor and improve current estimates, such as, for example, the design of individual trees of *A. angustifolia*⁴⁸.

Finally, our estimates show some limitations. The classification accuracy of the *Araucaria* mixed forest class (76% of User's accuracy and 77% of Producer's accuracy) is not so high as the overall accuracy classification of the forest cover map (92%). However, the estimates presented in this study are still significant for the detection of the current remnants amount, because the estimates of underestimation and overestimation are similar, although the exact location of these remnants still needs field checking for more accurate validation. These accuracy values are due to a small failure rate in the algorithm to differentiate the *Araucaria* mixed forest class from other native vegetation types in the Atlantic Forest (for example, Atlantic dense forest), even with the use of vegetation and texture indices for the detection of different spectral variables. This new classification also did not differentiate *A. angustifolia* plantations from native trees, which could lead to an even lower estimate of native *Araucaria* mixed Forest in the current context. On the other hand, juvenile trees with crowns below the canopy forest also kept undetected, which could

underestimate the amount of native vegetation in some locations. Despite these limitations, our map was able to identify a great amount of *Araucaria* mixed forest remnants and as so can and should be used as a reference for the estimation and detection of current remnants, while future works can complement and improve this knowledge available through field checking of remnant fragments. Studies that identify the quality of the remaining fragments found are essential for a better understanding of the conservation status of the *Araucaria* mixed forest.

4 CONCLUSIONS

Our new estimates show that *Araucaria* mixed forest is more critically-endangered than previously reported, with only about 1 million hectares currently remaining. The loss of the remaining forest comes with the loss of biodiversity and ecosystem services. Actions attempting to modify existing laws to allow the exploitation of natural habitats seems concerning in the current scenario with so little of the *Araucaria* mixed forest remaining. Urgent actions towards the conservation and restoration of this ecoregion are needed to save this critically-endangered ecoregion from extinction in the coming decades and at the same time recover part of the ecosystem services it delivers.

5 METHODS

5.1 STUDY AREA

The *Araucaria* mixed forest is distributed across six states of Brazil, namely Rio Grande do Sul, Santa Catarina, Paraná, São Paulo, Rio de Janeiro and Minas Gerais, and extends into northern Argentina⁴⁹. Previous studies on the distribution and status of the *Araucaria* mixed forest used different base maps for delineating the historical range of the ecoregion (Figure 4a-d). The range maps provided by Hueck & Seibert⁵⁰ and IBGE⁵¹ are part of the classifications of vegetation distribution of South America and Brazil, respectively. The range of the ecoregion previously used by WWF is part of a classification of global ecoregions⁷. Finally, Silva & Castelletti⁵² provided the distribution of biogeographical subregions of the Atlantic Forest of Brazil. We combined these range definitions to have the most inclusive assessment and estimate of remaining *Araucaria* mixed forest (Figure 4e), corresponding to an area of 27,304,154.72 hectares (this data is available in: <https://doi.org/10.6084/m9.figshare.13660907.v4>). Moreover, we also used the same classification from IBGE⁵¹ to overlap our study area with the natural grasslands to know the amount of area inside our study area that is considered natural grassland range (for more information, please check the supplementary material 2).

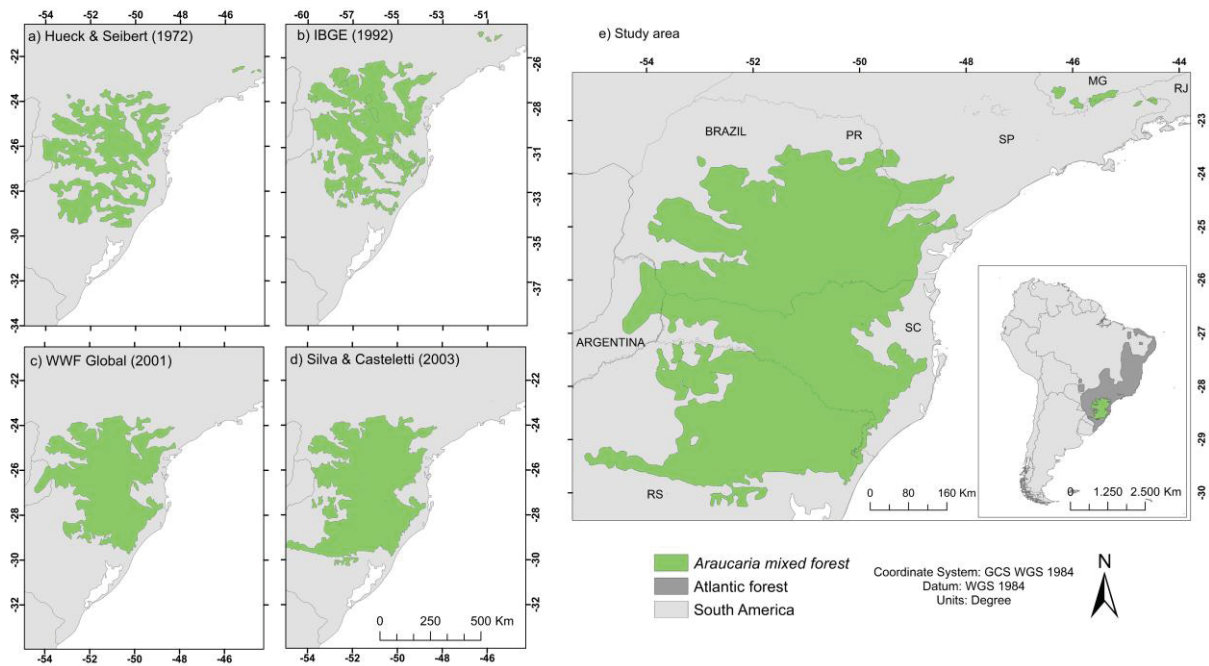


Figure 4: Existing definitions of original geographic range for the *Araucaria* mixed forest in South America (a-d) and the integrated range that we used as our study area (e). (a) Hueck & Seibert⁵⁰: 17,241,100 ha; available in ESRI shapefile format provided by Hasenack et al.⁶⁸ (b) Based on the Vegetation Map of Brazil, published by the Brazilian Institute of Geography and Statistics (IBGE)⁵¹: 17,104,200 ha; available in ESRI shapefile format by the U.S. Geological Survey's EROS Data Center. (c) Global 200 (terrestrial) Ecoregions⁷: 21,087,200 ha. (d) Silva & Castelletti⁵² based on the biogeographical subregions of the Atlantic Forest of Brazil and used by Ribeiro et al.⁴ 24,761,400 ha. e) Study area based on the integration of all previous study areas (a-d), totaling 27,296,754.76 ha.

5.2 IMAGE PROCESSING

We mapped remaining *Araucaria* mixed forest patches within the Google Earth Engine (GEE)⁵³ environment using well-established remote sensing procedures^{54–56} and freely available Sentinel-2 satellite images. Tapping into Google's computing infrastructure, users can process vast numbers of satellite images using their own algorithms, as well as tools provided by GEE, to produce regional to global mapping products that otherwise would take weeks or months to compute.

For our analysis, we used satellite images acquired by Sentinel-2, which is a multispectral satellite operated by the European Space Agency (ESA) widely used for land cover mapping⁵⁷. Sentinel-2 has 13 bands with differing spatial resolutions (see https://developers.google.com/earth-engine/datasets/catalog/COPERNICUS_S2_SR for more information). For our study, we selected all Sentinel-2 Surface Reflectance (S2 MSI, Level 2A) images which covered our study area and had less than 40% cloud cover between 1 January 2018 to 31 December 2019. A total of 3265 Sentinel-

2 images satisfied the above criteria. A cloud mask was applied to each image in the above image collection based on the information available in the Sentinel-2 Quality Assurance (QA60) band of each image, followed by clipping of the images to the study area boundary. Finally, all the images were composited to a single cloud free image of the study area using the median pixel value of each band at each location with 20 m of spatial resolution.

5.3 COMPUTATION OF SPECTRAL VARIABLES

The cloud free image composite was used to compute indices such as the Normalized Difference Vegetation Index (NDVI), Ratio Vegetation Index (RVI), Normalized Difference Snow Index (NDSI) and Enhanced Vegetation Index (EVI). The NDVI band was calculated with the 'normalizedDifference' function selecting the B8 and B4 bands, while the RVI band was calculated by dividing the B8 band by the B4 band. The NDSI band was calculated by dividing the B7 band by the B3 band, and EVI band was calculated using the following expression: $2.5 * ((B8 - B4) / (B8 + 6 * B4 - 7,5 * B2 + 1))$.

In addition, we calculated the texture metrics for each pixel of every band to our study area as features following Haralick et al.⁵⁸ and Conners et al.⁵⁹. The texture metrics were calculated using the Gray Level Co-occurrence Matrix (GLCM), which is a tabulation of how often different combinations of pixel brightness values on gray levels occur in an image. The output consists of 18 new bands per input band and their description is provided in Table S5. For further analysis, we created an image stack with 266 variables, consisting of bands B2-B8A, B11 and B12 from the composited image, the computed indices and texture metrics.

5.4 LAND COVER CLASSIFICATION

We manually digitized 300 training polygons from high resolution images available in GEE and Google Earth Pro⁶⁰ to delineate homogeneous areas of *Araucaria mixed forest*, i.e., polygons with 1-32 presenting 50% of the area covered by *Araucaria* tree crowns, which represents typical *Araucaria* mixed forests⁸. We took special care to include training polygons representing different slopes and aspects to reduce problems from topographic shading. Besides training polygons for *Araucaria*

mixed forest, we digitized 370 additional polygons for non-*Araucaria* land cover types (Table S6), also from high resolution images available in GEE and Google Earth Pro. All training polygons were classified into the following land cover categories: *Araucaria mixed forest* (300), other forests (280), open areas (30), water bodies (30) and anthropic areas (30). The categories “*Araucaria mixed forest*” and “other forests” had the largest number of training data because of the similarity in the reflectance between both, which had made it difficult for the algorithm to differentiate one from other. Fewer training polygons were requested for the categories “Anthropic areas”, “Open areas” and “Water bodies” because they are spectrally very distinct from forest and can be separated from them with good accuracy.

We used our dataset in the Random Forest⁶¹ algorithm to train our classifier. Random Forest is a non-parametric machine-learning algorithm that creates many decision trees with a random and independent sampling that will compose a random forest, and will assign the pixel to the most repeated class in the various models^{61–63}. Random forest is widely applied in remote sensing⁶⁴ and other classifications⁶⁵. In GEE, we implemented the smile random forest algorithm and ran it twice. In the first run, the objective was to reduce data volume, while in the second the objective was to train the land cover classification model. In the first run, we selected the variables that contributed to our classification significantly. To determine the contribution of each variable we used the “Importance” function within the “Smile random forest” classifier in GEE. We selected the top 30 variables based on their importance value (Table S7), which is the sum of decrease in Gini impurity index over all trees. Next, the Random Forest classifier was parameterized by plotting the Out of Bag (OOB) Error vs Number of Trees and 100 trees was determined to be the optimal number of trees. For the land cover classification, the Random Forest model was trained on 30 most important spectral variables and 100 trees. The other random forest parameters were left as default.

For accuracy assessments and validation of our output map, we digitized 150 additional polygons for all classes (50 for *Araucaria* mixed forest and 25 for each of the other classes) to run the validation of classification polygons (Table S6). We entered the data into GEE Error Matrix Function and Accuracy Function to compute a confusion matrix (real values x predicted values) and calculate overall, user’s and producer’s accuracies as well as kappa.

5.5 ANALYSIS

The resulting land cover map was exported and transferred to ArcGIS software⁶⁶. We used the Albers equal-area conic projection and a 3x3 (pixels) majority filter to smooth the final map and remove spurious pixels. We calculated the total area of each land cover category by multiplying the number of pixels of each category by the area of pixel (i.e., 0.04 ha).

To determine the fragmentation status of the *Araucaria mixed forest*, we used spatial clustering to calculate patch sizes with raster and project tools. We also removed any isolated pixel of *Araucaria* mixed forest by selecting patches bigger than one pixel from the attribute table. We classified remaining *Araucaria mixed forest patches* into eight size categories (0.04-50 ha; 50-100 ha; 100-250 ha; 250-500 ha; 500-1,000; 1,000-2,500 ha; 2,500-5,000; > 5,000 ha), following Ribeiro et al.⁴.

To assess the protection status of *Araucaria* mixed forest, we overlaid the final map with polygons of protected areas and indigenous lands. For Brazil, we used the database of Brazil's Ministry of the Environment (MMA; available at <http://mapas.mma.gov.br/i3geo/datadownload.htm#>; accessed on March 03, 2021), and the database of National Indigenous People Foundation (FUNAI; available at <http://www.funai.gov.br/index.php/shape>; accessed on March 03, 2021). For Argentina, we utilized the world database on protected areas (WDPA) provided by the International Union for Conservation of Nature (IUCN; available at <https://www.protectedplanet.net/>; accessed on October 25, 2020). We classified protected areas data from Brazilian according to IUCN, following Rylands & Brandon⁶⁷.

AUTHOR CONTRIBUTION STATEMENT

BEZ: Conceptualization, Methodology, Software, Formal analysis, Maps production, Writing. SB: Methodology, Software, Formal analysis, Writing - Review. FTB: Software, Formal analysis. PL: Conceptualization, Methodology, Software, Writing – Review and Editing. MBC: Conceptualization, Methodology, Writing - Review and Editing.

6 DECLARATION OF COMPETING INTEREST

The authors declare that they have no known competing financial interests or professional or personal relationships that could have influenced the work reported in this paper.

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REFERENCES

1. Hoekstra, J. M., Boucher, T. M., Ricketts, T. H. & Roberts, C. Confronting a biome crisis: Global disparities of habitat loss and protection. *Ecol. Lett.* **8**, 23–29 (2005).
2. Myers, N., Mittermeier, R., Mittermeier, C., Fonseca, G. Da & Kent, J. Biodiversity hotspots for conservation priorities. *Nature* **403**, 853–858 (2000).
3. Rezende, C. L. *et al.* From hotspot to hopespot: An opportunity for the Brazilian Atlantic Forest. *Perspect. Ecol. Conserv.* **16**, 208–214 (2018).
4. Ribeiro, M. C., Metzger, J. P., Martensen, A. C., Ponzoni, F. J. & Hirota, M. M. The Brazilian Atlantic Forest: How much is left, and how is the remaining forest distributed? Implications for conservation. *Biol. Conserv.* **142**, 1141–1153 (2009).
5. Rambo, B. O elemento Andino do Pinhal Riograndense. *An. Botânicos do Herbário Barbosa Rodrigues* **3**, 3–36 (1951).
6. Duarte, L. D. S., Bergamin, R. S., Marcilio-Silva, V., Seger, G. D. D. S. & Marques, M. C. M. Phylobetadiversity among Forest Types in the Brazilian Atlantic Forest Complex. *PLoS One* **9**, e105043 (2014).
7. Olson, D. M. *et al.* Terrestrial ecoregions of the world: A new map of life on Earth. *Bioscience* **51**, 933–938 (2001).
8. Oliveira-Filho, A. T. Classificação das fitofisionomias da América do Sul cisandina tropical e subtropical: proposta de um novo sistema - prático e flexível - ou uma injeção a mais de caos? *Rodriguésia* **60**, 237–258 (2009).
9. Souza, A. F. A review of the structure and dynamics of araucaria mixed forests in southern Brazil and northern Argentina. *New Zeal. J. Bot.* **59**, 2–54 (2020).
10. Lingner, D. V., Oliveira, Y. M. M., Rosot, N. C. & Dlugosz, F. L. Caracterização da estrutura e da dinâmica de um remanescente de Floresta com Araucária no Planalto Catarinense. *Pesqui. Florest. Bras.* **55**, 55–66 (2007).
11. Ribeiro, T. M. *et al.* Fitossociologia de uma floresta secundária com Araucaria angustifolia (Bertol.) O. Kuntze na Estação Ecológica de Bananal, Bananal, SP. *Floresta e Ambient.* **20**, 159–172 (2013).
12. BPBES/REBIPP. *Relatório temático sobre polinização, polinizadores e produção de alimentos no Brasil. Relatório temático sobre polinização, polinizadores e produção de alimentos no Brasil* (Editora Cubo, 2019).

- doi:10.4322/978-85-60064-83-0.
13. BPBES. *1º Diagnóstico Brasileiro de Biodiversidade & Serviços Ecossistêmicos*. (Editora Cubo, 2019). doi:10.4322/978-85-60064-88-5.
 14. BPBES. *Relatório Temático Água: Biodiversidade, Serviços Ecossistêmicos e Bem-Estar Humano no Brasil*. Aliny P. F. Pires; Vinicius F. Farjalla; Bias M. Faria; Daniel A. Rodriguez; Eli A. T. Gomes; Eldis C. Santos; Federica N. G. A. Sodr ; Jos  Sabino; Mariana A. Esp cie; Mariana R. C. Pinheiro; Mauro L. Ribeiro; Reinaldo L. Bozelli; Renata F. Panosso; Rog  (Editora Cubo, 2020). doi:10.4322/978-65-00-00068-9.
 15. Bogoni, J. A., Muniz-Tagliari, M., Peroni, N. & Peres, C. A. Testing the keystone plant resource role of a flagship subtropical tree species (*Araucaria angustifolia*) in the Brazilian Atlantic Forest. *Ecol. Indic.* **118**, 106778 (2020).
 16. Nakashima, D. J. Astute observers on the Sea ice edge: Inuit knowledge as a basis for Artic co-management. in *Traditional Ecological Knowledge: Concepts and Cases* (ed. Inglis, J. T.) 99–110 (International Program on Traditional Ecological Knowledge & International Development Research Centre, 1993).
 17. Tagliari, M. M. *et al.* Collaborative management as a way to enhance *Araucaria* Forest resilience. *Perspect. Ecol. Conserv.* **19**, 131–142 (2021).
 18. Koch, Z. & Corr a, M. C. *Arauc ria - A Floresta do Brasil Meridional*. (Olhar Brasileiro, 2002).
 19. Wilson, O. J., Walters, R. J., Mayle, F. E., Lingner, D. V. & Vibrans, A. C. Cold spot microrefugia hold the key to survival for Brazil's Critically Endangered *Araucaria* tree. *Glob. Chang. Biol.* 1–13 (2019) doi:10.1111/gcb.14755.
 20. Liu, N. *et al.* Phylogenetic relationships and divergence times of the family *Araucariaceae* based on the DNA sequences of eight genes. *Chinese Sci. Bull.* **54**, 2648–2655 (2009).
 21. Thomas, P. *Araucaria angustifolia*. The IUCN Red List of Threatened Species 2013. *Esp cies Nativ. da flora Bras. valor econ mico atual ou potencial plantas para o Futur. – Regi o Sul* 414–418 (2013).
 22. Ditt, E. H., Mourato, S., Ghazoul, J. & Knight, J. Forest conversion and provision of ecosystem services in the Brazilian Atlantic Forest. *L. Degrad. Dev.* **21**, 591–603 (2010).
 23. de Lima, R. A. F. *et al.* The erosion of biodiversity and biomass in the Atlantic Forest biodiversity hotspot. *Nat. Commun.* **11**, 1–16 (2020).

24. SOS Mata Atlântica. *Observando os Rios 2017: O retrato da qualidade da água nas bacias da Mata Atlântica*. (2017).
25. Castella, P. R. & Britez, R. M. *A Floresta com Araucaria no Paraná: Conservação e diagnóstico dos remanescentes florestais*. (Ministério do Meio Ambiente, Centro de Informação, Documentação Ambiental e Editoração-CID Ambiental, 2004).
26. Vibrans, A. C., McRoberts, R. E., Moser, P. & Nicoletti, A. L. Using satellite image-based maps and ground inventory data to estimate the area of the remaining Atlantic forest in the Brazilian state of Santa Catarina. *Remote Sens. Environ.* **130**, 87–95 (2013).
27. Cordeiro, J. L. P. & Hasenack, H. Cobertura vegetal atual do Rio Grande do Sul. in *Campos Sulinos - conservação e uso sustentável da biodiversidade* (eds. Pillar, V. de P., Muller, S. C., Castilhos, Z. M. de S. & Jacques, A. V. Á.) 403 (MMA, 2009).
28. Fundação SOS Mata Atlântica & Instituto Nacional de Pesquisas Espaciais, I. *Atlas dos remanescentes florestais da Mata Atlântica: período 2019/2020, relatório técnico*. https://www.sosma.org.br/wp-content/uploads/2021/05/SOSMA_Atlas-da-Mata-Atlantica_2019-2020.pdf (2021).
29. Gantzel, O. L. Avaliação das florestas de *Araucaria Angustifolia* (Bert.) O. Ktze do Sul do Brasil, através de Imagens do Satélite Landsat-II. *Rev. Floresta* **13**, 38–40 (1982).
30. Vieira, R. R. S., Pressey, R. L. & Loyola, R. The residual nature of protected areas in Brazil. *Biol. Conserv.* **233**, 152–161 (2019).
31. Carlucci, M. B., Marcilio-Silva, V. & Torezan, J. M. The Southern Atlantic Forest: Use, Degradation and Perspectives for Conservation. in *The Atlantic Forest* (eds. Marques, M. C. M. & Grelle, C. E. V.) 91–111 (Springer, 2021). doi:10.1007/978-3-030-55322-7_9.
32. Liebsch, D., Velazco, S. J. E., Mikich, S. B., Marques, M. C. M. & Galvão, F. Effects of selective logging, fragmentation, and dominance of bamboos on the structure and diversity of *Araucaria* Forest fragments. *For. Ecol. Manage.* **487**, 118961 (2021).
33. de Paula, M. D., Costa, C. P. A. & Tabarelli, M. Carbon storage in a fragmented landscape of Atlantic forest: The role played by edge-affected

- habitats and emergent trees. *Trop. Conserv. Sci.* **4**, 349–358 (2011).
34. Bogoni, J. A., Peres, C. A. & Ferraz, K. M. P. M. B. Effects of mammal defaunation on natural ecosystem services and human well being throughout the entire Neotropical realm. *Ecosyst. Serv.* **45**, 1–12 (2020).
 35. Silva Junior, C. H. L. *et al.* The Brazilian Amazon deforestation rate in 2020 is the greatest of the decade. *Nat. Ecol. Evol.* **5**, 144–145 (2021).
 36. Fahrig, L. Effects of Habitat Fragmentation on Biodiversity. *Annu. Rev. Ecol. Evol. Syst.* **34**, 487–515 (2003).
 37. Fahrig, L. Ecological Responses to Habitat Fragmentation per Se. *Annu. Rev. Ecol. Evol. Syst.* **48**, 1–23 (2017).
 38. Cardinale, B. J. *et al.* Biodiversity loss and its impact on humanity. *Nature* **486**, 59–67 (2012).
 39. Díaz, S. *et al.* The IPBES Conceptual Framework — connecting nature and people. *Curr. Opin. Environ. Sustain.* **14**, 1–16 (2015).
 40. IPBES. Report of the Plenary of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services on the work of its seventh session. in *Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services* vol. Seventh 1–47 (2019).
 41. Convention on Biological Diversity. *REPORT OF THE TENTH MEETING OF THE CONFERENCE OF THE PARTIES TO THE CONVENTION ON BIOLOGICAL DIVERSITY*. online (2010) doi:10.1007/978-90-481-9659-3_119.
 42. Guidotti, V. *et al.* Números detalhados do novo Código Florestal e suas implicações para os PRAs. *Sustentabilidade em Debate* **5**, 1–10 (2017).
 43. Oliveira, E. B. de. Projeto Estradas com Araucárias. in *Serviços Ambientais em Sistemas Agrícolas e Florestais do Bioma Mata Atlântica* (eds. Parron, L. M., Garcia, J. R., Oliveira, E. B. de, Brown, G. G. & Prado, R. B.) 271–277 (Embrapa, 2015).
 44. Oliveira, E. B. de. Projeto Estradas com Araucárias: pagamento por serviços ambientais e marketing ecológico. in *SEMINÁRIO SUL-BRASILEIRO SOBRE A SUSTENTABILIDADE DA ARAUCÁRIA* 20–23 (Uso sustentável, produção, inovação, educação, legislação, conservação: anais. Tapera: Lew, 2018).
 45. Paludo, G. F., Mantovani, A. & dos Reis, M. S. Regeneração De Uma População Natural De *Araucaria angustifolia* (Araucariaceae). *Rev. Arvore* **35**, 1107–1119 (2011).

46. Duarte, L. D. S., Dos-Santos, M. M. G., Hartz, S. M. & Pillar, V. D. Role of nurse plants in Araucaria Forest expansion over grassland in south Brazil. *Austral Ecol.* **31**, 520–528 (2006).
47. Stefenon, V. M., Gailing, O. & Finkeldey, R. Genetic structure of plantations and the conservation of genetic resources of Brazilian pine (*Araucaria angustifolia*). *For. Ecol. Manage.* **255**, 2718–2725 (2008).
48. Saad, F. *et al.* Detectability of the Critically Endangered *Araucaria angustifolia* Tree Using Worldview-2 Images, Google Earth Engine and UAV-LiDAR. *Land* **10**, 1316 (2021).
49. Hueck, K. Distribuição e habitat natural do Pinheiro do Paraná (*Araucaria angustifolia*). *Botânica* **10**, 5–24 (1953).
50. Hueck, K. & Seibert, P. *Vegetationskarte von Südamerika: Erläuterung zur Karte 1:8.000.000*. (Stuttgart, 1972).
51. Instituto Brasileiro de Geografia e Estatística (IBGE) & Survey, U. S. G. Mapa da Vegetação do Brasil. (1992).
52. Silva, J. M. C. da & Casteletti, C. H. M. Estado da biodiversidade da Mata Atlântica brasileira. in *Mata Atlântica: Biodiversidade, Ameaças e Perspectivas* (eds. Galindo-Leal, C. & Câmara, I. de G.) 43–59 (Fundação SOS Mata Atlântica & Conservação Internacional, 2005).
53. Gorelick, N. *et al.* Google Earth Engine: Planetary-scale geospatial analysis for everyone. *Remote Sens. Environ.* **202**, 18–27 (2017).
54. Hansen, M. C. *et al.* High-Resolution Global Maps of 21st-Century Forest Cover Change. *Science* (80-.). **342**, 850–853 (2013).
55. Bhagwat, T. *et al.* Losing a jewel-Rapid declines in Myanmar's intact forests from 2002-2014. *PLoS One* **12**, 1–22 (2017).
56. Biswas, S. *et al.* A multi sensor approach to forest type mapping for advancing monitoring of sustainable development goals (SDG) in Myanmar. *Remote Sens.* **12**, 1–21 (2020).
57. Phiri, D. *et al.* Sentinel-2 Data for Land Cover/Use Mapping: A Review. *Remote Sens.* **12**, 1–35 (2020).
58. Haralick, R. M., Shanmugam, K. & Dinstein, I. Textural Features for Image Classification. *IEEE Trans. Syst. MAN Cybern.* **SMC-3**, 610–621 (1973).
59. Connors, R. W., Trivedi, M. M. & Harlow, C. A. Segmentation of a high-resolution urban scene using texture operators. *Comput. Vision, Graph. Image*

- Process.* **25**, 273–310 (1984).
60. Google LLC. Google Earth Pro (Version 7.3.4). (2021).
 61. Breiman, L. Random Forests. *Mach. Learn.* **45**, 5–32 (2001).
 62. Horning, N. Random Forests: An algorithm for image classification and generation of continuous fields data sets. *Int. Conf. Geoinformatics Spat. Infrastruct. Dev. Earth Allied Sci. 2010* 1–6 (2010).
 63. Rodriguez-Galiano, V. F., Ghimire, B., Rogan, J., Chica-Olmo, M. & Rigol-Sanchez, J. P. An assessment of the effectiveness of a random forest classifier for land-cover classification. *ISPRS J. Photogramm. Remote Sens.* **67**, 93–104 (2012).
 64. Gislason, P. O., Benediktsson, J. A. & Sveinsson, J. R. Random forests for land cover classification. *Pattern Recognit. Lett.* **27**, 294–300 (2006).
 65. Cutler, D. R. *et al.* Random forests for classification in ecology. *Ecology* **88**, 2783–2792 (2007).
 66. Esri Inc. ArcGIS Desktop (ArcMap version 10.8). (2021).
 67. Rylands, A. & Brandon, K. Brazilian Protected Areas. *Conserv. Biol.* **19**, 612–618 (2005).
 68. Hasenack, H., Silva, J. & Hofmann, G. A digital version of Hueck's Vegetation Map of South America: 50 years after the release of his book on the Sub-Continent's forests. *Geogr. y Sist. Inf. Geogr.* **9**, 11–15 (2017).

APPENDIX – SUPPLEMENTARY MATERIAL 1

Table S1: Results from previous mapping of *Araucaria* mixed forest in Brazil.

Remaining area (ha)	Total area (ha)	Percent	State	Analysis methods	Reference
2,506,485	8,295,750	30.2	PR	Planimetric cartographic base (IBGE/DSG) and Landsat 5 TM (1998) images with field checking	Castella & Britez (2004) ¹
1,374,130	4,285,156	32.1	SC	CBERS-2 CCD (2005) and Landsat 5 TM (2005-2008) with floristic and forest inventory	Vibrans <i>et al</i> (2012) ²
383,601	2,987,526	12.8	RS	Landsat 5 TM and 7 ETM+ (2002) images with field checking	Cordeiro & Hasenack (2009) ³
3,202,134	25,379,316	12.6	PR, SC, RS, SP, RJ	Landsat 5 TM (2005) images	Ribeiro <i>et al.</i> (2009) ⁴

Table S2: Total area of *Araucaria* mixed forest and other land categories derived from the classification of Sentinel-2 satellite data (2018 and 2019) inside *Araucaria* mixed forest historic natural range in Southern Brazil and Northeastern Argentina.

Categories	Total area (ha)	Percent
<i>Araucaria</i> mixed forest	1,185,541.16	4.34
Other forests	16,904,802.12	61.93
Open areas	8,652,511.60	31.70
Water bodies	267,462.60	0.98
Anthropic areas	286,437.28	1.05
Total	27,296,754.76	100.00

Table S3: Error matrix from supervised classification used to classify the original range of *Araucaria* mixed forest into land cover types. The diagonal represents the number of pixels that have been classified correctly of each category of land cover. The producer's accuracy and the user's accuracy are provided from the error matrix for each category.

	<i>Araucaria</i> mixed forest	Other forests	Open areas	Water bodies	Anthropic areas	User's Accuracy
<i>Araucaria</i> mixed forest	8098	2498	0	9	0	76
Other forests	2456	31262	5	0	0	93
Open areas	1	10596	74585	62	8	87
Water bodies	0	42	77	62932	363	99
Anthropic areas	0	106	1	0	13189	99
Producer's Accuracy	77	70	100	100	97	92

Table S4: Description of Brazil's protected areas system.

Brazil's protected areas system	Bill	World Conservation Unit (IUCN) category correspondent	Description
Strict protection	National Protected Areas System (SNUC), Law 9.985, 19 July 2000	Ia, II, III.	Aim to protect biodiversity and do not allow direct use of resources
Sustainable use	National Protected Areas System (SNUC), Law 9.985, 19 July 2000	IV, V, VI.	Allow the use or extraction of natural resources with the biodiversity protection as a secondary aim
Indigenous reserves	Brazil's Constitution, 1988	-	Only Indigenous peoples are allowed to live and use or extract natural resources
Legal reserves	Native Vegetation Protection Law 12.651/2012	-	Areas of native vegetation on private properties, in which sustainable management and exploitation is allowed (20% in private lands in the Atlantic Forest biome)

Table S5: Texture metrics from the Gray Level Co-occurrence Matrix (GLCM) proposed by Haralick, et. al.⁵ and Conners, et al.⁶. Description originally published from GEE docs.

Metric	Description
ASM	f1, Angular Second Moment; measures the number of repeated pairs
CONTRAST	f2, Contrast; measures the local contrast of an image
T	
CORR	f3, Correlation; measures the correlation between pairs of pixels
VAR	f4, Variance; measures how spread out the distribution of gray-levels is
IDM	f5, Inverse Difference Moment; measures the homogeneity
SAVG	f6, Sum Average
SVAR	f7, Sum Variance
SENT	f8, Sum Entropy
ENT	f9, Entropy. Measures the randomness of a gray-level distribution
DVAR	f10, Difference variance
DENT	f11, Difference entropy
IMCORR1	f12, Information Measure of Corr. 1
IMCORR2	f13, Information Measure of Corr. 2
MAXCORR	f14, Max Corr. Coefficient. (not computed)
DISS	Dissimilarity
INERTIA	Inertia
SHADE	Cluster Shade
PROM	Cluster prominence

Table S6: Class, numbers of training and validation polygons and pixels for each category made to classify and validate the land cover map of remaining Araucaria mixed forest.

Category	Class	Number of training polygons	Number of training pixels	Number of validation polygons	Number of validation pixels
<i>Araucaria mixed forest</i>	0	300	54,545	50	10,605
Other forests	1	280	127,318	25	33,762
Open area	2	30	44,586	25	85,25
Water body	3	30	67,391	25	63,414
Anthropic area	4	30	12,365	25	13,295

Table S7: Importance value from Smile Random forest function and Median of spectral variables from all classification bands of Sentinel-2 MSI: MultiSpectral Instrument, Level-2A satellite data collected from 2018 to 2019 and of Texture metrics (GLCM) used to run the classification of land cover map.

Band	Importance value	<i>Araucaria</i> mixed forest	Other forests	Open areas	Anthropic areas	Water body
B8A	9.967.549.554	0.2289	0.2835	0.310630945	0.2167	0.0117
B8_savg	9.282.781.971	110.798.615	135.921.135	14.795.139	10.618.056	68.382.936
B7_savg	7.510.112.784	1.069.256	1.313.249	142.856.155	10.601.588	8.430.555
B6	6.642.943.369	0.1597	0.2047	0.24833333	0.19195	0.0179
B8A_savg	6.381.665.804	11.825.893	144.549.105	156.902.275	11.188.194	5.376.984
B7	6.338.073.234	0.2069	0.25765	0.2831	0.2057	0.0178
B11_savg	5.757.197.545	54.621.033	7.552.778	126.028.275	12.929.762	2
B8	5.540.420.625	0.21415	0.2667	0.29295	0.20555	0.0147
NDVI_savg	5.267.875.319	4.244.127	4.290.868	30.692.856	10.895.437	-29.124.207
B5_savg	5.258.181.375	25.741.072	33.459.324	6.277.778	80.093.254	22.285.715
B12	4.864.453.562	0.04775	0.0666	0.14815	0.2151	0.0047
B3_savg	4.806.708.252	15.345.238	1.909.127	3.526.389	5.796.627	36.325.397
NDVI	3.874.108.679	0.83786505	0.8479339	0.60203495	0.18551235	-0.5762195
B11	3.610.069.578	0.10445	0.14875	0.2488	0.2508	0.0056
B2_savg	3.472.304.228	8.549.603	103.125	209.965.275	45.243.057	19.854.166
NDSI	3.234.254.608	6.712	68.921.914	38.536.323	17.306.617	0.25830904
B4	3.216.807.821	0.0189	0.0225	0.0711	0.1338	0.0497
B4_savg	2.757.329.161	8.986.111	1.080.754	35.160.713	66.969.246	2.436.508
RVI_savg	2.739.827.967	57.075.117	612.792.415	20.859.935	8.234.722	13.759.425
EVI_savg	2.619.890.586	21.039.087	24.845.932	193.852.685	6.843.849	-4.284.623
NDSI_savg	2.521.571.628	3.387.511	348.949.515	19.746.642	9.436.895	13.165.178
NDSI_dvar	2.423.870.667	63.016.016	78.575.588	8.924.552	4.843.734	19.768.322
NDSI_contrast	2.337.587.098	16.608.545	203.565.175	231.402.235	11.599.348	47.579.365
RVI_idm	2.010.047.786	0.042605396	0.04234956	0.0458704725	0.05136639	0.35207805
RVI_dent	1.995.316.487	35.024.984	351.075	34.227.314	34.053.447	18.330.233
B2	1.981.263.314	0.01835	0.0219	0.0434	0.0904	0.04016
B6_savg	760.171.874	828.869	10.392.063	125.187.995	9.837.698	8.331.349
B3	439.550.295	0.031	0.03905	0.07175	0.1151	0.0735
B5	405.352.744	0.05035	0.067	0.126	0.1585	0.0448
B12_savg	390.811.216	24.539.682	33.343.254	7.475.099	109.451.385	2
RVI	388.491.954	11.335.403	12.152.174	40.255.672	14.555.314	0.2688588

REFERENCES

1. Castella, P. R. & Britez, R. M. *A Floresta com Araucaria no Paraná: Conservação e diagnóstico dos remanescentes florestais*. (Ministério do Meio Ambiente, Centro de Informação, Documentação Ambiental e Editoração-CID Ambiental, 2004).
2. Vibrans, A. C., McRoberts, R. E., Moser, P. & Nicoletti, A. L. Using satellite image-based maps and ground inventory data to estimate the area of the remaining Atlantic forest in the Brazilian state of Santa Catarina. *Remote Sens. Environ.* **130**, 87–95 (2013).
3. Cordeiro, J. L. P. & Hasenack, H. Cobertura vegetal atual do Rio Grande do Sul. in *Campos Sulinos - conservação e uso sustentável da biodiversidade* (eds. Pillar, V. de P., Muller, S. C., Castilhos, Z. M. de S. & Jacques, A. V. Á.) 403 (MMA, 2009).
4. Ribeiro, M. C., Metzger, J. P., Martensen, A. C., Ponzoni, F. J. & Hirota, M. M. The Brazilian Atlantic Forest: How much is left, and how is the remaining forest distributed? Implications for conservation. *Biol. Conserv.* **142**, 1141–1153 (2009).
5. Haralick, R. M., Shanmugam, K. & Dinstein, I. Textural Features for Image Classification. *IEEE Trans. Syst. MAN Cybern.* **SMC-3**, 610–621 (1973).
6. Connors, R. W., Trivedi, M. M. & Harlow, C. A. Segmentation of a high-resolution urban scene using texture operators. *Comput. Vision, Graph. Image Process.* **25**, 273–310 (1984).

APPENDIX – SUPPLEMENTARY MATERIAL 2

We delineated our study area to be the most inclusive possible, because our aim was to detect the remaining *Araucaria* mixed forest currently. There is evidence that this type of vegetation is found as a mosaic of forest and grassland in their natural habitat range¹, and this is why we decided to keep the natural grassland range included as our study area. However, we also estimate the area remaining of *Araucaria* mixed forest deleting the natural grassland range from our study area, to know how much *Araucaria* mixed forest remains in their original distribution range despite of grasslands patches within its range (Figure S1). To do this we used the same classification from IBGE² used for *Araucaria* mixed forest, and we overlapped the grassland range (5,052,841 ha) with our original study area (27,626,200 ha) and clipped it. The reduced study area corresponded to 22,573,359 ha. We removed all *Araucaria* mixed forest patches included in the overlaid area to compute a new estimate of remaining *Araucaria* mixed forest. Considering the study area without natural grassland, we found 914,049.68 ha of *Araucaria* mixed forest distributed along 497.591 patches, which corresponds to 4.1% of its original distribution range. This result confirms that *Araucaria* mixed forest had a loss of area greater than 95% of its geographic distribution, and should be kept as a critically endangered species (CR) based on IUCN red list criteria, because >80% of its population has been lost³.

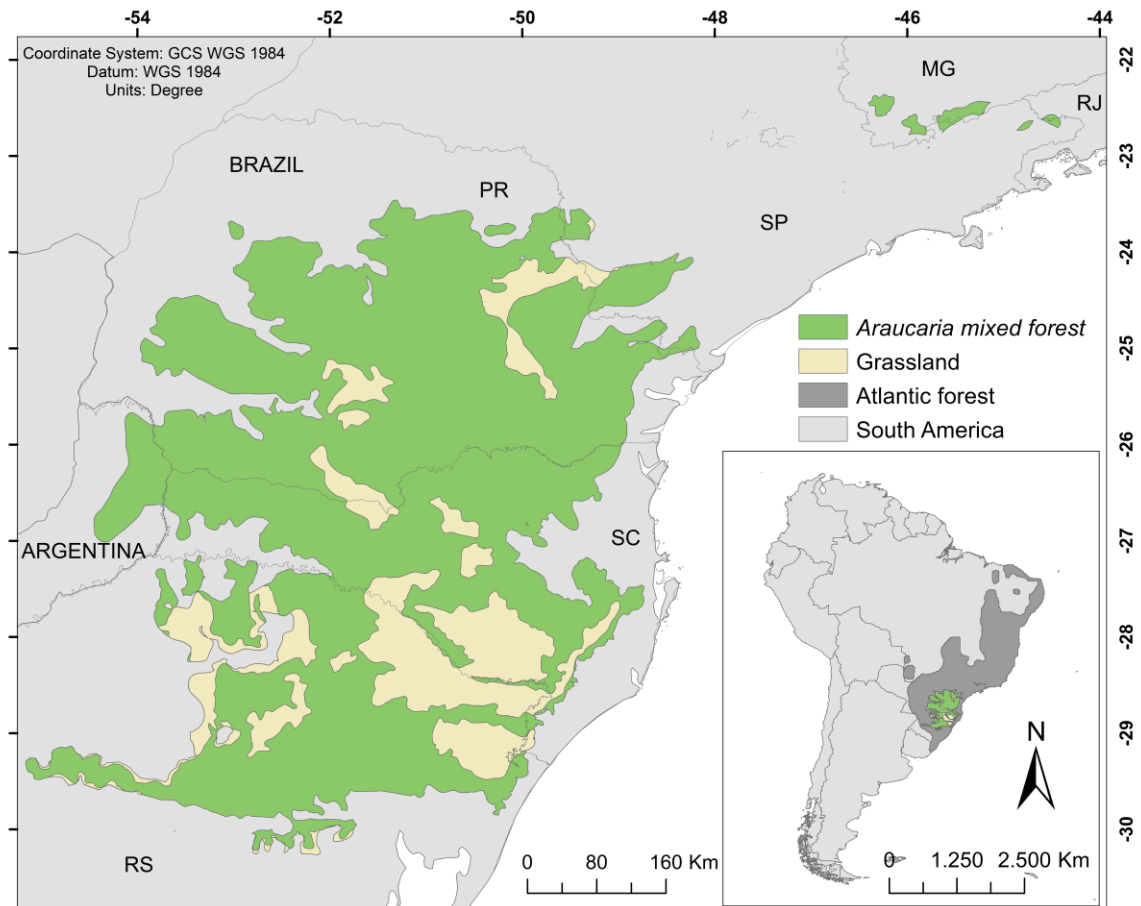


Figure S11: The integrated original geographic range for the *Araucaria* mixed forest in South America that we used as our study area, totaling 27,296,754.76 ha, with overlapping area of natural grasslands (light yellow), based on the Vegetation Map of Brazil, published by the Brazilian Institute of Geography and Statistics (IBGE)², totaling 5,052,841 ha. The new study area without natural grasslands is represented in green and corresponds to 22,573,359 ha.

REFERENCES

1. Hueck, K. Distribuição e habitat natural do Pinheiro do Paraná (*Araucaria angustifolia*). *Botânica* **10**, 5–24 (1953).
2. Instituto Brasileiro de Geografia e Estatística (IBGE) & Survey, U. S. G. Mapa da Vegetação do Brasil. (1992).
3. Thomas, P. *Araucaria angustifolia*. The IUCN Red List of Threatened Species 2013. *Espécies Nativ. da flora Bras. valor econômico atual ou potencial plantas para o Futur. – Região Sul* 414–418 (2013).

CONSIDERAÇÕES FINAIS

Nesta dissertação, utilizei imagens de satélite Sentinel-2 e classificação supervisionada, com técnicas de aprendizado de máquina [algoritmo *Random Forest*, (BREIMAN, 2001)] para atualizar o *status* de conservação atual da Floresta com Araucária. Desenvolvi um mapa de cobertura vegetal que mostra a localização de todas as manchas remanescentes atualmente com densidade de copas de *Araucaria angustifolia* superior a 50% (OLIVEIRA-FILHO, 2009). Também gerei um dado para a revisão do *status* de conservação de *A. angustifolia*, a qual provavelmente deva permanecer classificada como uma espécie criticamente ameaçada de extinção (THOMAS, 2013). As novas estimativas mostram que a Floresta com Araucária está mais criticamente ameaçada de extinção do que o relatado anteriormente, com apenas cerca de 1 milhão de hectares restantes.

Embora a acurácia da classificação da classe de Floresta com Araucária (76% acurácia do usuário e 77% acurácia do produtor) não seja tão alta quanto a classificação geral do mapa de cobertura vegetal aqui desenvolvido (92%), as estimativas apresentadas ainda são significativas para a detecção da quantidade de remanescentes atuais, uma vez que as estimativas de subestimação e superestimação se mostram semelhantes, embora a localização desses remanescentes ainda precisem de checagem em campo para uma validação mais precisa. Esses valores se dão devido a uma pequena taxa de insucesso do em algoritmo diferenciar a classe de Floresta com Araucária de outros tipos vegetais nativos da Mata Atlântica (por exemplo, Floresta Ombrófila Densa), mesmo com a utilização de índices de vegetação e de textura para a detecção de diferentes variáveis espectrais. A nova classificação também não diferenciou plantações de *A. angustifolia* de árvores nativas, o que poderia acarretar em uma estimativa ainda menor de Floresta com Araucária nativa no contexto atual. Por outro lado, árvores juvenis com copa abaixo do dossel também deixaram de ser detectadas, o que poderia subestimar a quantidade de Floresta com Araucária em algumas localidades. O mapa apresentado pode e deve ser utilizado como referência para a estimativa e detecção dos remanescentes atuais, enquanto que trabalhos futuros podem complementar e aprimorar este conhecimento disponível a partir da checagem em campo dos fragmentos remanescentes. Trabalhos que identifiquem a

qualidade dos fragmentos remanescentes encontrados também são essenciais para um melhor entendimento do grau de conservação da floresta com Araucária.

Por fim, reitero que o desmatamento na Mata Atlântica continua acontecendo, conforme noticiado pela literatura atual (FUNDAÇÃO SOS MATA ATLÂNTICA; INPE, 2021), o que também inclui a Floresta com Araucária, conforme confirmado neste trabalho. A perda da floresta remanescente acarreta a perda de biodiversidade e de serviços ecossistêmicos (de PAULA; COSTA; TABARELLI, 2011; TAGLIARI *et al.*, 2021). Ações que tentam modificar as leis existentes para permitir a exploração de *A. angustifolia* em remanescentes da Floresta com Araucária são preocupantes no cenário atual, devido ao nível de perda e fragmentação de habitats desse tipo florestal. Ações urgentes que visem aumentar a quantidade de áreas legalmente protegidas, bem como ações que visem a restauração deste tipo florestal são necessárias para salvar essa ecorregião criticamente ameaçada da extinção nas próximas décadas.

REFERÊNCIAS

BHAGWAT, Tejas *et al.* Losing a jewel-Rapid declines in Myanmar's intact forests from 2002-2014. **PLoS ONE**, v. 12, n. 5, p. 1–22, 2017. Disponível em: <https://doi.org/10.1371/journal.pone.0176364>

BISWAS, Sumalika *et al.* A multi sensor approach to forest type mapping for advancing monitoring of sustainable development goals (SDG) in Myanmar. **Remote Sensing**, v. 12, n. 19, p. 1–21, 2020. Disponível em: <https://doi.org/10.3390/rs12193220>

BOGONI, Juliano André *et al.* Testing the keystone plant resource role of a flagship subtropical tree species (*Araucaria angustifolia*) in the Brazilian Atlantic Forest. **Ecological Indicators**, v. 118, p. 106778, 2020. Disponível em: <https://doi.org/https://doi.org/10.1016/j.ecolind.2020.106778>

BOGONI, Juliano André; PERES, Carlos A.; FERRAZ, Katia M.P.M.B. Effects of mammal defaunation on natural ecosystem services and human well being throughout the entire Neotropical realm. **Ecosystem Services**, v. 45, n. 101173, p. 1–12, 2020. Disponível em: <https://doi.org/10.1016/j.ecoser.2020.101173>

BPBES/REBIPP. **Relatório temático sobre polinização, polinizadores e produção de alimentos no Brasil**. São Carlos: Editora Cubo, 2019. Disponível em: <https://doi.org/10.4322/978-85-60064-83-0>

BPBES. **1º Diagnóstico Brasileiro de Biodiversidade & Serviços Ecosistêmicos**. São Carlos: Editora Cubo, 2019. Disponível em: <https://doi.org/10.4322/978-85-60064-88-5>

BPBES. **Relatório Temático Água: Biodiversidade, Serviços Ecosistêmicos e Bem-Estar Humano no Brasil**. São Carlos: Editora Cubo, 2020. Disponível em: <https://doi.org/10.4322/978-65-00-00068-9>

BREIMAN, Leo. Random Forests. **Machine Learning**, v. 45, p. 5–32, 2001. Disponível em: https://doi.org/10.1007/978-3-030-62008-0_35

CARDINALE, Bradley J. *et al.* Biodiversity loss and its impact on humanity. **Nature**, v. 486, n. 7401, p. 59–67, 2012. Disponível em: <https://doi.org/10.1038/nature11148>

CARLUCCI, Marcos Bergmann; MARCILIO-SILVA, Vinícius; TOREZAN, José Marcelo. The Southern Atlantic Forest: Use, Degradation and Perspectives for Conservation. *In*: MARQUES, Marcia C. M.; GRELLE, Carlos E. V. (org.). **The Atlantic Forest**. Springer, 2021. p. 91–111. Disponível em: https://doi.org/10.1007/978-3-030-55322-7_9

CASTELLA, P. R.; BRITEZ, R. M. **A Floresta com Araucaria no Paraná : Conservação e diagnóstico dos remanescentes florestais**. Curitiba: Ministério do Meio Ambiente, Centro de Informação, Documentação Ambiental e Editoração-CID Ambiental, 2004.

CONNERS, R. W.; TRIVEDI, M. M.; HARLOW, C. A. Segmentation of a high-resolution urban scene using texture operators. **Computer Vision, Graphics, & Image Processing**, v. 25, n. 3, p. 273–310, 1984. Disponível em: [https://doi.org/10.1016/0734-189X\(84\)90197-X](https://doi.org/10.1016/0734-189X(84)90197-X)

CONVENTION ON BIOLOGICAL DIVERSITY. **REPORT OF THE TENTH MEETING OF THE CONFERENCE OF THE PARTIES TO THE CONVENTION ON BIOLOGICAL DIVERSITY**online. Nagoya, Japan, 2010. Disponível em: https://doi.org/10.1007/978-90-481-9659-3_119.

CORDEIRO, José Luís Passos; HASENACK, Heinrich. Cobertura vegetal atual do Rio Grande do Sul. In: PILLAR, Valério de Patta *et al.* (org.). **Campos Sulinos - conservação e uso sustentável da biodiversidade**. Brasília: MMA, 2009. p. 403.

CUTLER, D. Richard *et al.* Random forests for classification in ecology. **Ecology**, v. 88, n. 11, p. 2783–2792, 2007. Disponível em: <https://doi.org/10.1890/07-0539.1>

DE LIMA, Renato A.F. *et al.* The erosion of biodiversity and biomass in the Atlantic Forest biodiversity hotspot. **Nature Communications**, v. 11, n. 6347, p. 1–16, 2020. Disponível em: <https://doi.org/10.1038/s41467-020-20217-w>

DE PAULA, Mateus Dantas; COSTA, Cecília Patrícia Alves; TABARELLI, Marcelo. Carbon storage in a fragmented landscape of Atlantic forest: The role played by edge-affected habitats and emergent trees. **Tropical Conservation Science**, v. 4, n. 3, p. 349–358, 2011. Disponível em: <https://doi.org/10.1177/194008291100400310>

DÍAZ, Sandra *et al.* The IPBES Conceptual Framework — connecting nature and people. **Current Opinion in Environmental Sustainability**, v. 14, p. 1–16, 2015. Disponível em: <https://doi.org/10.1016/J.COSUST.2014.11.002>

DITT, E. H. *et al.* Forest conversion and provision of ecosystem services in the Brazilian Atlantic Forest. **Land Degradation & Development**, v. 21, n. 6, p. 591–603, 2010. Disponível em: <https://doi.org/10.1002/ldr.1010>

DUARTE, Leandro Da S. *et al.* Role of nurse plants in Araucaria Forest expansion over grassland in south Brazil. **Austral Ecology**, v. 31, n. 4, p. 520–528, 2006. Disponível em: <https://doi.org/https://doi.org/10.1111/j.1442-9993.2006.01602.x>

DUARTE, Leandro Da Silva *et al.* Phylobetadiversity among Forest Types in the Brazilian Atlantic Forest Complex. **PLoS ONE**, v. 9, n. 8, p. e105043, 2014. Disponível em: <https://doi.org/10.1371/journal.pone.0105043>. Acesso em: 15 set. 2021.

ESRI INC. **ArcGIS Desktop (ArcMap version 10.8)**. Versão 10.8. Berkeley, California.: 2021.

FAHRIG, Lenore. Ecological Responses to Habitat Fragmentation per Se. **Annual Review of Ecology, Evolution, and Systematics**, v. 48, p. 1–23, 2017. Disponível em: <https://doi.org/10.1146/annurev-ecolsys-110316-022612>

FAHRIG, Lenore. Effects of Habitat Fragmentation on Biodiversity. **Annual Review of Ecology, Evolution, and Systematics**, v. 34, n. 1, p. 487–515, 2003. Disponível em: <https://doi.org/10.1146/annurev.ecolsys.34.011802.132419>

FUNDAÇÃO SOS MATA ATLÂNTICA; INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS, INPE. **Atlas dos remanescentes florestais da Mata Atlântica: período 2019/2020, relatório técnico**. São Paulo: 2021. Disponível em: https://www.sosma.org.br/wp-content/uploads/2021/05/SOSMA_Atlas-da-Mata-Atlantica_2019-2020.pdf.

GANTZEL, O. L. Avaliação das florestas de Araucaria Angustifolia (Bert.) O. Ktze do Sul do Brasil, através de Imagens do Satélite Landsat-II. **Revista Floresta**, v. 13, p. 38–40, 1982.

GISLASON, Pall Oskar; BENEDIKTSSON, Jon Atli; SVEINSSON, Johannes R. Random forests for land cover classification. **Pattern Recognition Letters**, v. 27, p. 294–300, 2006. Disponível em: <https://doi.org/10.1016/j.patrec.2005.08.011>

GOOGLE LLC. **Google Earth Pro (Version 7.3.4)**. Versão 7.3.4, 2021.

GORELICK, Noel *et al.* Google Earth Engine: Planetary-scale geospatial analysis for everyone. **Remote Sensing of Environment**, v. 202, p. 18–27, 2017. Disponível em: <https://doi.org/10.1016/J.RSE.2017.06.031>

GUIDOTTI, Vinicius *et al.* Números detalhados do novo Código Florestal e suas implicações para os PRAs. **Sustentabilidade em Debate**, v. 5, n. May, p. 1–10, 2017. Disponível em: <https://doi.org/10.13140/RG.2.2.23229.87526>

HANSEN, M C *et al.* High-Resolution Global Maps of 21st-Century Forest Cover Change. **Science**, v. 342, p. 850–853, 2013.

HARALICK, Robert M.; SHANMUGAM, K.; DISTEIN, Its'Hak. Textural Features for Image Classification. **IEEE TRANSACTIONS ON SYSTEMS, MAN AND CYBERNETICS**, v. SMC-3, n. 6, p. 610–621, 1973.

HASENACK, Heinrich; SILVA, Jones; HOFMANN, Gabriel. A digital version of Hueck's Vegetation Map of South America: 50 years after the release of his book on the Sub-Continent's forests. **Geografia y Sistemas de Informacion Geografica**, v. 9, n. 9, p. 11–15, 2017.

HOEKSTRA, Jonathan M. *et al.* Confronting a biome crisis: Global disparities of habitat loss and protection. **Ecology Letters**, v. 8, p. 23–29, 2005. Disponível em: <https://doi.org/10.1111/j.1461-0248.2004.00686.x>

HORNING, N. Random Forests: An algorithm for image classification and generation of continuous fields data sets. **International Conference on Geoinformatics for Spatial Infrastructure Development in Earth and Allied Sciences 2010**, p. 1–6, 2010.

HUECK, K.; SEIBERT, P. **Vegetationskarte von Südamerika: Erläuterung zur Karte 1:8.000.000**. Gustav Fischer: Stuttgart, 1972.

HUECK, Kurt. Distribuição e habitat natural do Pinheiro do Paraná (*Araucaria angustifolia*). **Botânica**, v. 10, n. 10, p. 5–24, 1953.

INSTITUTO BRASILEIRO DE GEOGRAFIA E ESTATÍSTICA (IBGE); SURVEY, U.S. Geological. **Mapa da Vegetação do Brasil**. U.S. Geological Survey, 1992. Disponível em: <http://mapas.mma.gov.br/geonetwork/srv/br/metadata.show?id=83>

IPBES. Report of the Plenary of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services on the work of its seventh session. *In:* , 2019. **Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services**. 2019. p. 1–47.

KOCH, Zig; CORRÊA, Maria Celeste. **Araucária - A Floresta do Brasil Meridional**. Curitiba: Olhar Brasileiro, 2002.

LIEBSCH, Dieter *et al.* Effects of selective logging, fragmentation, and dominance of bamboos on the structure and diversity of *Araucaria* Forest fragments. **Forest Ecology and Management**, v. 487, p. 118961, 2021. Disponível em: <https://doi.org/10.1016/J.FORECO.2021.118961>

LINGNER, D.V. *et al.* Caracterização da estrutura e da dinâmica de um remanescente de Floresta com Araucária no Planalto Catarinense. **Pesquisa Florestal Brasileira**, v. 55, p. 55–66, 2007.

LIU, Nian *et al.* Phylogenetic relationships and divergence times of the family *Araucariaceae* based on the DNA sequences of eight genes. **Chinese Science Bulletin**, v. 54, n. 15, p. 2648–2655, 2009. Disponível em: <https://doi.org/10.1007/s11434-009-0373-2>

MYERS, N *et al.* Biodiversity hotspots for conservation priorities. **Nature**, v. 403, p. 853–858, 2000.

NAKASHIMA, Douglas J. Astute observers on the Sea ice edge: Inuit knowledge as a basis for Artic co-management. *In:* INGLIS, Julian T. (org.). **Traditional Ecological Knowledge: Concepts and Cases**. International Program on Traditional Ecological Knowledge & International Development Research Centre, 1993. p. 99–110. *E-book*.

OLIVEIRA-FILHO, Ary T. Classificação das fitofisionomias da América do Sul cisandina tropical e subtropical: proposta de um novo sistema - prático e flexível - ou uma injeção a mais de caos? **Rodriguésia**, v. 60, n. 2, p. 237–258, 2009. Disponível em: <https://doi.org/10.1590/2175-7860200960201>

OLIVEIRA, Edilson Batista de. Projeto Estradas com Araucárias: pagamento por serviços ambientais e marketing ecológico. *In:* , 2018, Passo Fundo. **SEMINÁRIO SUL-BRASILEIRO SOBRE A SUSTENTABILIDADE DA ARAUCÁRIA**. Passo Fundo: Uso sustentável, produção, inovação, educação, legislação, conservação: anais. Tapera: Lew, 2018. p. 20–23.

OLIVEIRA, Edilson Batista de. Projeto Estradas com Araucárias. *In*: PARRON, Lucília Maria; *et al.* (org.). **Serviços Ambientais em Sistemas Agrícolas e Florestais do Bioma Mata Atlântica**. Brasília: Embrapa, 2015. p. 271–277.

OLSON, D. M. *et al.* Terrestrial ecoregions of the world: A new map of life on Earth. **BioScience**, v. 51, n. 11, p. 933–938, 2001. Disponível em: [https://doi.org/10.1641/0006-3568\(2001\)051\[0933:TEOTWA\]2.0.CO;2](https://doi.org/10.1641/0006-3568(2001)051[0933:TEOTWA]2.0.CO;2)

PALUDO, Giovani Festa; MANTOVANI, Adelar; DOS REIS, Maurício Sedrez. Regeneração De Uma População Natural De *Araucaria angustifolia* (Araucariaceae). **Revista Arvore**, v. 35, n. 5, p. 1107–1119, 2011. Disponível em: <https://doi.org/10.1590/S0100-67622011000600017>

PHIRI, Darius *et al.* Sentinel-2 Data for Land Cover/Use Mapping: A Review. **Remote Sensing**, v. 12, n. 2291, p. 1–35, 2020.

RAMBO, B. O elemento Andino do Pinhal Riograndense. **Anais Botânicos do Herbário Barbosa Rodrigues**, v. 3, p. 3–36, 1951.

REZENDE, C.L. *et al.* From hotspot to hopespot: An opportunity for the Brazilian Atlantic Forest. **Perspectives in Ecology and Conservation**, v. 16, n. 4, p. 208–214, 2018. Disponível em: <https://doi.org/10.1016/j.pecon.2018.10.002>

RIBEIRO, Milton Cezar *et al.* The Brazilian Atlantic Forest: How much is left, and how is the remaining forest distributed? Implications for conservation. **Biological Conservation**, v. 142, p. 1141–1153, 2009. Disponível em: <https://doi.org/10.1016/j.biocon.2009.02.021>

RIBEIRO, Tiago Maciel *et al.* Fitossociologia de uma floresta secundária com *Araucaria angustifolia* (Bertol.) O. Kuntze na Estação Ecológica de Bananal, Bananal, SP. **Floresta e Ambiente**, v. 20, n. 2, p. 159–172, 2013. Disponível em: <https://doi.org/10.4322/floram.2013.013>. Acesso em: 15 set. 2021.

RODRIGUEZ-GALIANO, V. F. *et al.* An assessment of the effectiveness of a random forest classifier for land-cover classification. **ISPRS Journal of Photogrammetry and Remote Sensing**, v. 67, p. 93–104, 2012. Disponível em: <https://doi.org/10.1016/j.isprsjprs.2011.11.002>

RYLANDS, A; BRANDON, K. Brazilian Protected Areas. **Conservation Biology**, v. 19, n. 3, p. 612–618, 2005. Disponível em: <https://doi.org/https://doi.org/10.1111/j.1523-1739.2005.00711.x>

SAAD, Felipe *et al.* Detectability of the Critically Endangered *Araucaria angustifolia* Tree Using Worldview-2 Images, Google Earth Engine and UAV-LiDAR. **Land**, v. 10, n. 12, p. 1316, 2021. Disponível em: <https://doi.org/10.3390/land10121316>

SILVA, José Maria Cardoso da; CASTELETTI, Carlos Henrique M. Estado da biodiversidade da Mata Atlântica brasileira. *In*: GALINDO-LEAL, Carlos; CÂMARA, Ibsen de Gusmão (org.). **Mata Atlântica: Biodiversidade, Ameaças e**

Perspectivas. Belo Horizonte: Fundação SOS Mata Atlântica & Conservação Internacional, 2005. p. 43–59.

SILVA JUNIOR, Celso H.L. *et al.* The Brazilian Amazon deforestation rate in 2020 is the greatest of the decade. **Nature Ecology and Evolution**, v. 5, n. 2, p. 144–145, 2021. Disponível em: <https://doi.org/10.1038/s41559-020-01368-x>

SOS MATA ATLÂNTICA. **Observando os Rios 2017: O retrato da qualidade da água nas bacias da Mata Atlântica.** 2017.

SOUZA, Alexandre F. A review of the structure and dynamics of araucaria mixed forests in southern Brazil and northern Argentina. **New Zealand Journal of Botany**, v. 59, n. 1, p. 2–54, 2020. Disponível em: <https://doi.org/10.1080/0028825X.2020.1810712>

STEFENON, Valdir Marcos; GAILING, Oliver; FINKELDEY, Reiner. Genetic structure of plantations and the conservation of genetic resources of Brazilian pine (*Araucaria angustifolia*). **Forest Ecology and Management**, v. 255, n. 7, p. 2718–2725, 2008. Disponível em: <https://doi.org/10.1016/J.FORECO.2008.01.036>

TAGLIARI, Mario M. *et al.* Collaborative management as a way to enhance Araucaria Forest resilience. **Perspectives in Ecology and Conservation**, v. 19, p. 131–142, 2021. Disponível em: <https://doi.org/10.1016/J.PECON.2021.03.002>

THOMAS, P. *Araucaria angustifolia*. The IUCN Red List of Threatened Species 2013. **Espécies nativas da flora brasileira de valor econômico atual ou potencial: plantas para o futuro – Região Sul**, p. 414–418, 2013. Disponível em: <https://www.iucnredlist.org/species/32975/2829141>

VIBRANS, Alexander C. *et al.* Using satellite image-based maps and ground inventory data to estimate the area of the remaining Atlantic forest in the Brazilian state of Santa Catarina. **Remote Sensing of Environment**, v. 130, p. 87–95, 2013. Disponível em: <https://doi.org/10.1016/J.RSE.2012.10.023>

VIEIRA, Raísa R.S.; PRESSEY, Robert L.; LOYOLA, Rafael. The residual nature of protected areas in Brazil. **Biological Conservation**, v. 233, p. 152–161, 2019. Disponível em: <https://doi.org/10.1016/j.biocon.2019.02.010>

WILSON, Oliver J. *et al.* Cold spot microrefugia hold the key to survival for Brazil's Critically Endangered Araucaria tree. **Global Change Biology**, p. 1–13, 2019. Disponível em: <https://doi.org/10.1111/gcb.14755>

APÊNDICE - MATERIAL SUPLEMENTAR

Tabela S1: Nome, data e coordenadas geográficas das 3265 imagens de satélite Sentinel-2 utilizadas na composição da imagem final que foi utilizada para a classificação do algoritmo *Random Forest*. A coleção de imagens foi filtrada espacialmente (área de estudo), temporalmente (dez/2018 a dez/2019) e qualitativamente (< 40% de cobertura de nuvens), sendo reduzidas a uma única imagem através da redução por mediana.

Nome	Data		Coordenadas									
20181213T131231_20181213T131234_T23KLQ	13/12/2018	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7500040	300000	7390240
20181213T131231_20181213T131234_T23KLR	13/12/2018	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7600000	300000	7490200
20181213T131231_20181213T131234_T23KMQ	13/12/2018	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7500040	399960	7390240
20181213T131231_20181213T131234_T23KMR	13/12/2018	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7600000	399960	7490200
20181213T131231_20181213T131234_T23KNQ	13/12/2018	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7500040	499980	7390240
20181213T131231_20181213T131234_T23KNR	13/12/2018	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7600000	499980	7490200
20181214T133219_20181214T133515_T21JZM	14/12/2018	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7200040	799980	7090240
20181214T133219_20181214T133515_T22JBQ	14/12/2018	6890200	309780	6890200	309780	7000000	199980	7000000	199980	7000000	199980	6890200
20181214T133219_20181214T133515_T22JBR	14/12/2018	6990220	309780	6990220	309780	7100020	199980	7100020	199980	7100020	199980	6990220
20181214T133219_20181214T133515_T22JBS	14/12/2018	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7200040	199980	7090240
20181214T133219_20181214T133515_T22JCP	14/12/2018	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6900040	300000	6790240
20181214T133219_20181214T133515_T22JCQ	14/12/2018	6890200	409800	6890200	409800	7000000	300000	7000000	300000	7000000	300000	6890200
20181214T133219_20181214T133515_T22JCR	14/12/2018	6990220	409800	6990220	409800	7100020	300000	7100020	300000	7100020	300000	6990220
20181214T133219_20181214T133515_T22JCS	14/12/2018	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7200040	300000	7090240
20181214T133219_20181214T133515_T22JCT	14/12/2018	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7300000	300000	7190200
20181214T133219_20181214T133515_T22JDP	14/12/2018	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6900040	399960	6790240
20181214T133219_20181214T133515_T22JDQ	14/12/2018	6890200	509760	6890200	509760	7000000	399960	7000000	399960	7000000	399960	6890200
20181214T133219_20181214T133515_T22JDR	14/12/2018	6990220	509760	6990220	509760	7100020	399960	7100020	399960	7100020	399960	6990220
20181214T133219_20181214T133515_T22JDS	14/12/2018	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7200040	399960	7090240
20181214T133219_20181214T133515_T22JDT	14/12/2018	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7300000	399960	7190200
20181214T133219_20181214T133515_T22JEP	14/12/2018	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6900040	499980	6790240
20181214T133219_20181214T133515_T22JEQ	14/12/2018	6890200	609780	6890200	609780	7000000	499980	7000000	499980	7000000	499980	6890200
20181214T133219_20181214T133515_T22JER	14/12/2018	6990220	609780	6990220	609780	7100020	499980	7100020	499980	7100020	499980	6990220
20181214T133219_20181214T133515_T22JES	14/12/2018	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7200040	499980	7090240
20181214T133219_20181214T133515_T22JET	14/12/2018	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7300000	499980	7190200

20181214T133219_20181214T133515_T22JFS	14/12/2018	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20181214T133219_20181214T133515_T22JFT	14/12/2018	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20181214T133219_20181214T133515_T22KCU	14/12/2018	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20181214T133219_20181214T133515_T22KDU	14/12/2018	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20181214T133219_20181214T133515_T22KDV	14/12/2018	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20181214T133219_20181214T133515_T22KEU	14/12/2018	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20181214T133219_20181214T133515_T22KEV	14/12/2018	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20181214T133219_20181214T133515_T22KFU	14/12/2018	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20181214T133219_20181214T133515_T22KFV	14/12/2018	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20181215T130239_20181215T130505_T23KNQ	15/12/2018	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20181215T130239_20181215T130505_T23KNR	15/12/2018	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20181216T132221_20181216T132224_T22JDQ	16/12/2018	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20181216T132221_20181216T132224_T22JEP	16/12/2018	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20181216T132221_20181216T132224_T22JEQ	16/12/2018	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20181216T132221_20181216T132224_T22JER	16/12/2018	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20181216T132221_20181216T132224_T22JES	16/12/2018	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20181216T132221_20181216T132224_T22JET	16/12/2018	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20181216T132221_20181216T132224_T22JFQ	16/12/2018	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20181216T132221_20181216T132224_T22JFR	16/12/2018	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20181216T132221_20181216T132224_T22JFS	16/12/2018	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20181216T132221_20181216T132224_T22JFT	16/12/2018	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20181216T132221_20181216T132224_T22JGQ	16/12/2018	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20181216T132221_20181216T132224_T22JGS	16/12/2018	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20181216T132221_20181216T132224_T22KFU	16/12/2018	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20181216T132221_20181216T132224_T22KFV	16/12/2018	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20181216T132221_20181216T132224_T22KGU	16/12/2018	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20181217T134209_20181217T134205_T21JYL	17/12/2018	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20181217T134209_20181217T134205_T21JYM	17/12/2018	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20181217T134209_20181217T134205_T21JYN	17/12/2018	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20181217T134209_20181217T134205_T21JZM	17/12/2018	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20181217T134209_20181217T134205_T21JZN	17/12/2018	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20181217T134209_20181217T134205_T21KZP	17/12/2018	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20181217T134209_20181217T134205_T22JBR	17/12/2018	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220

20181217T134209_20181217T134205_T22JBS	17/12/2018	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20181217T134209_20181217T134205_T22JBT	17/12/2018	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20181217T134209_20181217T134205_T22JCR	17/12/2018	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20181217T134209_20181217T134205_T22JCS	17/12/2018	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20181217T134209_20181217T134205_T22JCT	17/12/2018	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20181217T134209_20181217T134205_T22KBU	17/12/2018	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20181217T134209_20181217T134205_T22KCU	17/12/2018	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20181217T134209_20181217T134936_T21JXH	17/12/2018	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20181217T134209_20181217T134936_T21JYH	17/12/2018	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20181217T134209_20181217T134936_T21JYL	17/12/2018	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20181217T134209_20181217T134936_T21JYM	17/12/2018	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20181217T134209_20181217T134936_T22JBM	17/12/2018	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20181217T134209_20181217T134936_T22JBN	17/12/2018	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20181217T134209_20181217T134936_T22JBP	17/12/2018	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20181217T134209_20181217T134936_T22JBQ	17/12/2018	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20181217T134209_20181217T134936_T22JBR	17/12/2018	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20181217T134209_20181217T134936_T22JCQ	17/12/2018	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20181217T134209_20181217T134936_T22JCR	17/12/2018	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20181218T131239_20181218T131237_T23KLQ	18/12/2018	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20181218T131239_20181218T131237_T23KLR	18/12/2018	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20181218T131239_20181218T131237_T23KMQ	18/12/2018	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20181218T131239_20181218T131237_T23KMR	18/12/2018	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20181218T131239_20181218T131237_T23KNQ	18/12/2018	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20181218T131239_20181218T131237_T23KNR	18/12/2018	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20181219T133221_20181219T133216_T21JZM	19/12/2018	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20181219T133221_20181219T133216_T22JBS	19/12/2018	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20181219T133221_20181219T133216_T22JCQ	19/12/2018	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20181219T133221_20181219T133216_T22JCR	19/12/2018	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20181219T133221_20181219T133216_T22JCS	19/12/2018	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20181219T133221_20181219T133216_T22JCT	19/12/2018	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20181219T133221_20181219T133216_T22JDP	19/12/2018	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20181219T133221_20181219T133216_T22JDQ	19/12/2018	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20181219T133221_20181219T133216_T22JDR	19/12/2018	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220

20181219T133221_20181219T133216_T22JDS	19/12/2018	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20181219T133221_20181219T133216_T22JEQ	19/12/2018	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20181219T133221_20181219T133216_T22JER	19/12/2018	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20181219T133221_20181219T133216_T22JES	19/12/2018	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20181219T133221_20181219T133216_T22KCU	19/12/2018	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20181219T133221_20181219T133216_T22KDU	19/12/2018	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20181219T133221_20181219T133216_T22KDV	19/12/2018	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20181219T133221_20181219T133216_T22KEU	19/12/2018	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20181219T133221_20181219T133216_T22KEV	19/12/2018	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20181219T133221_20181219T133216_T22KFU	19/12/2018	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20181219T133221_20181219T133216_T22KFV	19/12/2018	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20181220T130241_20181220T130239_T23KNQ	20/12/2018	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20181220T130241_20181220T130239_T23KNR	20/12/2018	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20181221T132229_20181221T132228_T22JEQ	21/12/2018	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20181221T132229_20181221T132228_T22JER	21/12/2018	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20181221T132229_20181221T132228_T22JES	21/12/2018	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20181221T132229_20181221T132228_T22JFQ	21/12/2018	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20181221T132229_20181221T132228_T22JFR	21/12/2018	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20181222T134201_20181222T134202_T21JXH	22/12/2018	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20181222T134201_20181222T134202_T22JBM	22/12/2018	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20181222T134201_20181222T134202_T22KCU	22/12/2018	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20181223T131241_20181223T131235_T23KMR	23/12/2018	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20181223T131241_20181223T131235_T23KNR	23/12/2018	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20181224T133219_20181224T133220_T21JYH	24/12/2018	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20181224T133219_20181224T133220_T22JBM	24/12/2018	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20181224T133219_20181224T133220_T22JBN	24/12/2018	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20181224T133219_20181224T133220_T22JBP	24/12/2018	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20181224T133219_20181224T133220_T22JBQ	24/12/2018	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20181224T133219_20181224T133220_T22JBR	24/12/2018	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20181224T133219_20181224T133220_T22JCM	24/12/2018	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20181224T133219_20181224T133220_T22JCN	24/12/2018	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20181224T133219_20181224T133220_T22JCP	24/12/2018	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20181224T133219_20181224T133220_T22JCQ	24/12/2018	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200

20181224T133219_20181224T133220_T22JCR	24/12/2018	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20181224T133219_20181224T133220_T22JDM	24/12/2018	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20181224T133219_20181224T133220_T22JDN	24/12/2018	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20181224T133219_20181224T133220_T22JDP	24/12/2018	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20181224T133219_20181224T133220_T22JEN	24/12/2018	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20181226T132231_20181226T132226_T22JDN	26/12/2018	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20181226T132231_20181226T132226_T22JEP	26/12/2018	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20181226T132231_20181226T132226_T22JET	26/12/2018	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20181226T132231_20181226T132226_T22JFP	26/12/2018	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20181226T132231_20181226T132226_T22JFT	26/12/2018	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20181226T132231_20181226T132226_T22JGT	26/12/2018	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20181226T132231_20181226T132226_T22KEU	26/12/2018	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20181226T132231_20181226T132226_T22KFU	26/12/2018	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20181226T132231_20181226T132226_T22KFB	26/12/2018	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20181226T132231_20181226T132226_T22KGV	26/12/2018	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20181227T134209_20181227T134616_T21JXH	27/12/2018	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20181227T134209_20181227T134616_T21JYL	27/12/2018	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20181227T134209_20181227T134616_T21JYM	27/12/2018	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20181227T134209_20181227T134616_T21JYN	27/12/2018	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20181227T134209_20181227T134616_T21JZM	27/12/2018	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20181227T134209_20181227T134616_T21KZP	27/12/2018	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20181227T134209_20181227T134616_T22JBM	27/12/2018	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20181227T134209_20181227T134616_T22JBP	27/12/2018	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20181227T134209_20181227T134616_T22JBQ	27/12/2018	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20181227T134209_20181227T134616_T22JBR	27/12/2018	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20181227T134209_20181227T134616_T22JBS	27/12/2018	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20181227T134209_20181227T134616_T22JCQ	27/12/2018	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20181227T134209_20181227T134616_T22JCR	27/12/2018	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20181227T134209_20181227T134616_T22JCS	27/12/2018	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20181227T134209_20181227T134616_T22JCT	27/12/2018	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20181227T134209_20181227T134616_T22KBU	27/12/2018	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20181227T134209_20181227T134616_T22KCU	27/12/2018	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20181228T131239_20181228T131239_T23KLQ	28/12/2018	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240

20181228T131239_20181228T131239_T23KLR	28/12/2018	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20181228T131239_20181228T131239_T23KMQ	28/12/2018	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20181228T131239_20181228T131239_T23KMR	28/12/2018	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20181228T131239_20181228T131239_T23KNQ	28/12/2018	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20181229T133221_20181229T133218_T21JYH	29/12/2018	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20181229T133221_20181229T133218_T21JZM	29/12/2018	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20181229T133221_20181229T133218_T22JBM	29/12/2018	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20181229T133221_20181229T133218_T22JBN	29/12/2018	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20181229T133221_20181229T133218_T22JBP	29/12/2018	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20181229T133221_20181229T133218_T22JBQ	29/12/2018	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20181229T133221_20181229T133218_T22JBR	29/12/2018	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20181229T133221_20181229T133218_T22JBS	29/12/2018	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20181229T133221_20181229T133218_T22JCM	29/12/2018	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20181229T133221_20181229T133218_T22JCN	29/12/2018	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20181229T133221_20181229T133218_T22JCP	29/12/2018	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20181229T133221_20181229T133218_T22JCQ	29/12/2018	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20181229T133221_20181229T133218_T22JCR	29/12/2018	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20181229T133221_20181229T133218_T22JCS	29/12/2018	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20181229T133221_20181229T133218_T22JCT	29/12/2018	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20181229T133221_20181229T133218_T22JDM	29/12/2018	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20181229T133221_20181229T133218_T22JDN	29/12/2018	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20181229T133221_20181229T133218_T22JDP	29/12/2018	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20181229T133221_20181229T133218_T22JDQ	29/12/2018	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20181229T133221_20181229T133218_T22JDR	29/12/2018	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20181229T133221_20181229T133218_T22JDS	29/12/2018	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20181229T133221_20181229T133218_T22JDT	29/12/2018	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20181229T133221_20181229T133218_T22JEN	29/12/2018	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20181229T133221_20181229T133218_T22JEP	29/12/2018	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20181229T133221_20181229T133218_T22JEQ	29/12/2018	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20181229T133221_20181229T133218_T22JER	29/12/2018	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20181229T133221_20181229T133218_T22JES	29/12/2018	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20181229T133221_20181229T133218_T22JET	29/12/2018	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20181229T133221_20181229T133218_T22JFS	29/12/2018	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240

20181229T133221_20181229T133218_T22JFT	29/12/2018	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20181229T133221_20181229T133218_T22KDU	29/12/2018	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20181229T133221_20181229T133218_T22KEU	29/12/2018	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20181229T133221_20181229T133218_T22KEV	29/12/2018	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20181229T133221_20181229T133218_T22KFU	29/12/2018	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20181229T133221_20181229T133218_T22KFV	29/12/2018	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20181230T130241_20181230T130241_T23KNQ	30/12/2018	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20181231T132229_20181231T132230_T22JDP	31/12/2018	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20181231T132229_20181231T132230_T22JDQ	31/12/2018	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20181231T132229_20181231T132230_T22JEN	31/12/2018	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20181231T132229_20181231T132230_T22JEP	31/12/2018	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20181231T132229_20181231T132230_T22JEQ	31/12/2018	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20181231T132229_20181231T132230_T22JES	31/12/2018	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20181231T132229_20181231T132230_T22JFP	31/12/2018	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20181231T132229_20181231T132230_T22JFQ	31/12/2018	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20181231T132229_20181231T132230_T22JGQ	31/12/2018	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20181231T132229_20181231T132230_T22KEU	31/12/2018	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20181231T132229_20181231T132230_T22KFU	31/12/2018	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20181231T132229_20181231T132230_T22KFV	31/12/2018	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20181231T132229_20181231T132230_T22KGU	31/12/2018	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190101T134211_20190101T134205_T21JXH	01/01/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190101T134211_20190101T134205_T21JYH	01/01/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190101T134211_20190101T134205_T21JYM	01/01/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190101T134211_20190101T134205_T21JYN	01/01/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190101T134211_20190101T134205_T21JZM	01/01/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190101T134211_20190101T134205_T21JZN	01/01/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190101T134211_20190101T134205_T21KZP	01/01/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190101T134211_20190101T134205_T22JBR	01/01/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190101T134211_20190101T134205_T22JBS	01/01/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190101T134211_20190101T134205_T22JBT	01/01/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190101T134211_20190101T134205_T22JCQ	01/01/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190101T134211_20190101T134205_T22JCR	01/01/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190101T134211_20190101T134205_T22JCS	01/01/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240

20190101T134211_20190101T134205_T22JCT	01/01/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190101T134211_20190101T134205_T22KBU	01/01/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190101T134211_20190101T134205_T22KCU	01/01/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190102T131241_20190102T131237_T23KMQ	02/01/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190102T131241_20190102T131237_T23KMR	02/01/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190102T131241_20190102T131237_T23KNQ	02/01/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190102T131241_20190102T131237_T23KNR	02/01/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190103T133219_20190103T133222_T21JZM	03/01/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190103T133219_20190103T133222_T22JBS	03/01/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190103T133219_20190103T133222_T22JCT	03/01/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190103T133219_20190103T133222_T22JER	03/01/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190103T133219_20190103T133222_T22KCU	03/01/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190103T133219_20190103T133222_T22KDU	03/01/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190103T133219_20190103T133222_T22KDV	03/01/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190103T133219_20190103T133222_T22KEV	03/01/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190103T133219_20190103T133222_T22KFV	03/01/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190106T134209_20190106T134325_T21JYH	06/01/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190106T134209_20190106T134325_T22JBM	06/01/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190106T134209_20190106T134325_T22JBN	06/01/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190107T131239_20190107T131241_T23KLQ	07/01/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190107T131239_20190107T131241_T23KLR	07/01/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190107T131239_20190107T131241_T23KMQ	07/01/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190107T131239_20190107T131241_T23KMR	07/01/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190107T131239_20190107T131241_T23KNQ	07/01/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190107T131239_20190107T131241_T23KNR	07/01/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190109T130241_20190109T130243_T23KNQ	09/01/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190109T130241_20190109T130243_T23KNR	09/01/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190110T132229_20190110T132232_T22JES	10/01/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190110T132229_20190110T132232_T22JFS	10/01/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190110T132229_20190110T132232_T22JFT	10/01/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190110T132229_20190110T132232_T22JGQ	10/01/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190110T132229_20190110T132232_T22JGS	10/01/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190110T132229_20190110T132232_T22JGT	10/01/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200

20190110T132229_20190110T132232_T22KFU	10/01/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190110T132229_20190110T132232_T22KFV	10/01/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190110T132229_20190110T132232_T22KGU	10/01/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190111T134211_20190111T134206_T22JCT	11/01/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190111T134211_20190111T134206_T22KCU	11/01/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190112T131241_20190112T131238_T23KLQ	12/01/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190112T131241_20190112T131238_T23KLR	12/01/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190112T131241_20190112T131238_T23KMQ	12/01/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190112T131241_20190112T131238_T23KMR	12/01/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190112T131241_20190112T131238_T23KNQ	12/01/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190112T131241_20190112T131238_T23KNR	12/01/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190113T133229_20190113T133223_T21JYH	13/01/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190113T133229_20190113T133223_T22JBM	13/01/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190113T133229_20190113T133223_T22JBN	13/01/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190113T133229_20190113T133223_T22JBP	13/01/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190113T133229_20190113T133223_T22JBQ	13/01/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190113T133229_20190113T133223_T22JBR	13/01/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190113T133229_20190113T133223_T22JCM	13/01/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190113T133229_20190113T133223_T22JCN	13/01/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190113T133229_20190113T133223_T22JCP	13/01/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190113T133229_20190113T133223_T22JCQ	13/01/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190113T133229_20190113T133223_T22JCR	13/01/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190113T133229_20190113T133223_T22JDM	13/01/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20190113T133229_20190113T133223_T22JDN	13/01/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190113T133229_20190113T133223_T22JDP	13/01/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190113T133229_20190113T133223_T22JDQ	13/01/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190113T133229_20190113T133223_T22JDR	13/01/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190113T133229_20190113T133223_T22JEN	13/01/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190113T133229_20190113T133223_T22JEP	13/01/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190113T133229_20190113T133223_T22JEQ	13/01/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190113T133229_20190113T133223_T22JES	13/01/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190113T133229_20190113T133223_T22JET	13/01/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190113T133229_20190113T133223_T22JFT	13/01/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200

20190113T133229_20190113T133223_T22KDU	13/01/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190113T133229_20190113T133223_T22KDV	13/01/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190113T133229_20190113T133223_T22KEU	13/01/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190113T133229_20190113T133223_T22KEV	13/01/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190113T133229_20190113T133223_T22KFU	13/01/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190113T133229_20190113T133223_T22KFV	13/01/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190114T130249_20190114T130246_T23KNQ	14/01/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190114T130249_20190114T130246_T23KNR	14/01/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190115T132231_20190115T132229_T22JDN	15/01/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190115T132231_20190115T132229_T22JDP	15/01/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190115T132231_20190115T132229_T22JDQ	15/01/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190115T132231_20190115T132229_T22JEN	15/01/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190115T132231_20190115T132229_T22JEP	15/01/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190115T132231_20190115T132229_T22JEQ	15/01/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190115T132231_20190115T132229_T22JFQ	15/01/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20190115T132231_20190115T132229_T22JGQ	15/01/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190115T132231_20190115T132229_T22JGS	15/01/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190115T132231_20190115T132229_T22JGT	15/01/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190115T132231_20190115T132229_T22KFU	15/01/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190115T132231_20190115T132229_T22KFV	15/01/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190115T132231_20190115T132229_T22KGU	15/01/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190116T134209_20190116T134210_T21KZP	16/01/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190116T134209_20190116T134210_T22KBU	16/01/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190117T131239_20190117T131242_T23KMQ	17/01/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190117T131239_20190117T131242_T23KMR	17/01/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190117T131239_20190117T131242_T23KNQ	17/01/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190117T131239_20190117T131242_T23KNR	17/01/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190118T133221_20190118T133221_T22JES	18/01/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190118T133221_20190118T133221_T22JET	18/01/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190120T132239_20190120T132233_T22KFV	20/01/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190121T134211_20190121T134207_T21JXH	21/01/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190121T134211_20190121T134207_T21KZP	21/01/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190121T134211_20190121T134207_T22JBP	21/01/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240

20190121T134211_20190121T134207_T22KBU	21/01/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190121T134211_20190121T134207_T22KCU	21/01/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190122T131241_20190122T131239_T23KLQ	22/01/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190122T131241_20190122T131239_T23KLR	22/01/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190122T131241_20190122T131239_T23KMR	22/01/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190122T131241_20190122T131239_T23KNR	22/01/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190123T133229_20190123T133224_T22JBR	23/01/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190123T133229_20190123T133224_T22JQC	23/01/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190123T133229_20190123T133224_T22JCR	23/01/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190123T133229_20190123T133224_T22JCS	23/01/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190123T133229_20190123T133224_T22JCT	23/01/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190123T133229_20190123T133224_T22JDQ	23/01/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190123T133229_20190123T133224_T22JDR	23/01/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190123T133229_20190123T133224_T22JDS	23/01/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190123T133229_20190123T133224_T22JDT	23/01/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190123T133229_20190123T133224_T22JEN	23/01/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190123T133229_20190123T133224_T22JEP	23/01/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190123T133229_20190123T133224_T22JEQ	23/01/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190123T133229_20190123T133224_T22KCU	23/01/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190123T133229_20190123T133224_T22KDU	23/01/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190123T133229_20190123T133224_T22KDV	23/01/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190123T133229_20190123T133224_T22KEU	23/01/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190123T133229_20190123T133224_T22KEV	23/01/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190123T133229_20190123T133224_T22KFU	23/01/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190123T133229_20190123T133224_T22KFV	23/01/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190124T130249_20190124T130247_T23KNR	24/01/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190125T132231_20190125T132230_T22JDN	25/01/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190125T132231_20190125T132230_T22JDP	25/01/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190125T132231_20190125T132230_T22JDQ	25/01/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190125T132231_20190125T132230_T22JEM	25/01/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190125T132231_20190125T132230_T22JEN	25/01/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190125T132231_20190125T132230_T22JEP	25/01/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190125T132231_20190125T132230_T22JEQ	25/01/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200

20190125T132231_20190125T132230_T22JFN	25/01/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190125T132231_20190125T132230_T22JGT	25/01/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190125T132231_20190125T132230_T22KFU	25/01/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190125T132231_20190125T132230_T22KFV	25/01/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190126T134209_20190126T134211_T21JYN	26/01/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190126T134209_20190126T134211_T21JZM	26/01/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190126T134209_20190126T134211_T21JZN	26/01/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190126T134209_20190126T134211_T21KZP	26/01/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190126T134209_20190126T134211_T22JBS	26/01/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190126T134209_20190126T134211_T22JBT	26/01/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190126T134209_20190126T134211_T22JCS	26/01/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190126T134209_20190126T134211_T22JCT	26/01/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190126T134209_20190126T134211_T22KBU	26/01/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190126T134209_20190126T134920_T21JYN	26/01/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190126T134209_20190126T134920_T21JZM	26/01/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190126T134209_20190126T134920_T21JZN	26/01/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190126T134209_20190126T134920_T22JBM	26/01/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190126T134209_20190126T134920_T22JBN	26/01/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190126T134209_20190126T134920_T22JBP	26/01/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190126T134209_20190126T134920_T22JBQ	26/01/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190126T134209_20190126T134920_T22JBR	26/01/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190126T134209_20190126T134920_T22JBS	26/01/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190126T134209_20190126T134920_T22JBT	26/01/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190126T134209_20190126T134920_T22JCQ	26/01/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190126T134209_20190126T134920_T22JCR	26/01/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190126T134209_20190126T134920_T22JCS	26/01/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190126T134209_20190126T134920_T22JCT	26/01/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190127T131249_20190127T131243_T23KLQ	27/01/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190127T131249_20190127T131243_T23KMQ	27/01/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190127T131249_20190127T131243_T23KNQ	27/01/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190128T133221_20190128T133221_T21JYH	28/01/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190128T133221_20190128T133221_T22JBM	28/01/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190128T133221_20190128T133221_T22JBN	28/01/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220

20190128T133221_20190128T133221_T22JBP	28/01/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190128T133221_20190128T133221_T22JBQ	28/01/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190128T133221_20190128T133221_T22JBR	28/01/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190128T133221_20190128T133221_T22JCM	28/01/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190128T133221_20190128T133221_T22JCN	28/01/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190128T133221_20190128T133221_T22JCP	28/01/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190128T133221_20190128T133221_T22JCQ	28/01/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190128T133221_20190128T133221_T22JCR	28/01/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190128T133221_20190128T133221_T22JCS	28/01/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190128T133221_20190128T133221_T22JCT	28/01/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190128T133221_20190128T133221_T22JDM	28/01/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20190128T133221_20190128T133221_T22JDN	28/01/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190128T133221_20190128T133221_T22JDP	28/01/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190128T133221_20190128T133221_T22JDQ	28/01/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190128T133221_20190128T133221_T22JDR	28/01/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190128T133221_20190128T133221_T22JDS	28/01/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190128T133221_20190128T133221_T22JDT	28/01/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190128T133221_20190128T133221_T22JEN	28/01/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190128T133221_20190128T133221_T22JEP	28/01/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190128T133221_20190128T133221_T22JEQ	28/01/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190128T133221_20190128T133221_T22JER	28/01/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190128T133221_20190128T133221_T22JES	28/01/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190128T133221_20190128T133221_T22JET	28/01/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190128T133221_20190128T133221_T22JFS	28/01/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190128T133221_20190128T133221_T22JFT	28/01/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190128T133221_20190128T133221_T22KCU	28/01/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190128T133221_20190128T133221_T22KDU	28/01/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190128T133221_20190128T133221_T22KDV	28/01/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190128T133221_20190128T133221_T22KEU	28/01/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190128T133221_20190128T133221_T22KEV	28/01/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190128T133221_20190128T133221_T22KFU	28/01/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190128T133221_20190128T133221_T22KFV	28/01/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190129T130241_20190129T130244_T23KNQ	29/01/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240

20190129T130241_20190129T130244_T23KNR	29/01/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190130T132239_20190130T132233_T22JDN	30/01/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190130T132239_20190130T132233_T22JEN	30/01/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190130T132239_20190130T132233_T22JER	30/01/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190130T132239_20190130T132233_T22JES	30/01/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190130T132239_20190130T132233_T22JET	30/01/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190130T132239_20190130T132233_T22JFQ	30/01/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20190130T132239_20190130T132233_T22JFR	30/01/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20190130T132239_20190130T132233_T22JFS	30/01/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190130T132239_20190130T132233_T22JFT	30/01/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190130T132239_20190130T132233_T22JGQ	30/01/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190130T132239_20190130T132233_T22JGS	30/01/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190130T132239_20190130T132233_T22JGT	30/01/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190130T132239_20190130T132233_T22KEU	30/01/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190130T132239_20190130T132233_T22KFU	30/01/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190130T132239_20190130T132233_T22KFV	30/01/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190130T132239_20190130T132233_T22KGU	30/01/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190131T134211_20190131T134207_T21JXH	31/01/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190131T134211_20190131T134207_T21JYH	31/01/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190131T134211_20190131T134207_T21JYL	31/01/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190131T134211_20190131T134207_T21JYM	31/01/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190131T134211_20190131T134207_T21JYN	31/01/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190131T134211_20190131T134207_T21JZM	31/01/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190131T134211_20190131T134207_T21JZN	31/01/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190131T134211_20190131T134207_T21KZP	31/01/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190131T134211_20190131T134207_T22JBM	31/01/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190131T134211_20190131T134207_T22JBN	31/01/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190131T134211_20190131T134207_T22JBP	31/01/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190131T134211_20190131T134207_T22JBQ	31/01/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190131T134211_20190131T134207_T22JBR	31/01/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190131T134211_20190131T134207_T22JBS	31/01/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190131T134211_20190131T134207_T22JBT	31/01/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190131T134211_20190131T134207_T22JCQ	31/01/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200

20190131T134211_20190131T134207_T22JCR	31/01/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190131T134211_20190131T134207_T22JCS	31/01/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190131T134211_20190131T134207_T22JCT	31/01/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190131T134211_20190131T134207_T22KBU	31/01/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190201T131241_20190201T131240_T23KLQ	01/02/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190201T131241_20190201T131240_T23KLR	01/02/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190201T131241_20190201T131240_T23KMQ	01/02/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190201T131241_20190201T131240_T23KMR	01/02/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190201T131241_20190201T131240_T23KNQ	01/02/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190201T131241_20190201T131240_T23KNR	01/02/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190202T133229_20190202T133224_T21JZM	02/02/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190202T133229_20190202T133224_T22JBP	02/02/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190202T133229_20190202T133224_T22JBQ	02/02/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190202T133229_20190202T133224_T22JBR	02/02/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190202T133229_20190202T133224_T22JBS	02/02/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190202T133229_20190202T133224_T22JCP	02/02/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190202T133229_20190202T133224_T22JCQ	02/02/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190202T133229_20190202T133224_T22JCR	02/02/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190202T133229_20190202T133224_T22JCS	02/02/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190202T133229_20190202T133224_T22JCT	02/02/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190202T133229_20190202T133224_T22JDP	02/02/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190202T133229_20190202T133224_T22JDQ	02/02/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190202T133229_20190202T133224_T22JDR	02/02/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190202T133229_20190202T133224_T22JDS	02/02/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190202T133229_20190202T133224_T22JDT	02/02/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190202T133229_20190202T133224_T22JEP	02/02/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190202T133229_20190202T133224_T22JEQ	02/02/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190202T133229_20190202T133224_T22JER	02/02/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190202T133229_20190202T133224_T22JES	02/02/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190202T133229_20190202T133224_T22JET	02/02/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190202T133229_20190202T133224_T22JFT	02/02/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190202T133229_20190202T133224_T22KCU	02/02/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190202T133229_20190202T133224_T22KDU	02/02/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220

20190202T133229_20190202T133224_T22KEU	02/02/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190202T133229_20190202T133224_T22KFU	02/02/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190202T133229_20190202T133224_T22KFV	02/02/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190205T134209_20190205T134323_T21JXH	05/02/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190205T134209_20190205T134323_T21JYH	05/02/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190205T134209_20190205T134323_T22JBM	05/02/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190205T134209_20190205T134323_T22JBN	05/02/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190205T134209_20190205T134323_T22JBP	05/02/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190207T133221_20190207T133221_T21JYH	07/02/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190207T133221_20190207T133221_T21JZM	07/02/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190207T133221_20190207T133221_T22JBM	07/02/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190207T133221_20190207T133221_T22JBN	07/02/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190207T133221_20190207T133221_T22JBP	07/02/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190207T133221_20190207T133221_T22JBQ	07/02/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190207T133221_20190207T133221_T22JBR	07/02/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190207T133221_20190207T133221_T22JBS	07/02/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190207T133221_20190207T133221_T22JCM	07/02/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190207T133221_20190207T133221_T22JCN	07/02/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190207T133221_20190207T133221_T22JCP	07/02/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190207T133221_20190207T133221_T22JCQ	07/02/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190207T133221_20190207T133221_T22JCR	07/02/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190207T133221_20190207T133221_T22JCS	07/02/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190207T133221_20190207T133221_T22JCT	07/02/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190207T133221_20190207T133221_T22JDM	07/02/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20190207T133221_20190207T133221_T22JDN	07/02/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190207T133221_20190207T133221_T22JDP	07/02/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190207T133221_20190207T133221_T22JDQ	07/02/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190207T133221_20190207T133221_T22JDR	07/02/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190207T133221_20190207T133221_T22JDS	07/02/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190207T133221_20190207T133221_T22JDT	07/02/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190207T133221_20190207T133221_T22JEN	07/02/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190207T133221_20190207T133221_T22JEP	07/02/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190207T133221_20190207T133221_T22JEQ	07/02/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200

20190207T133221_20190207T133221_T22JER	07/02/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190207T133221_20190207T133221_T22JET	07/02/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190207T133221_20190207T133221_T22JFT	07/02/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190207T133221_20190207T133221_T22KCU	07/02/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190207T133221_20190207T133221_T22KDU	07/02/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190207T133221_20190207T133221_T22KDV	07/02/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190207T133221_20190207T133221_T22KEU	07/02/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190207T133221_20190207T133221_T22KEV	07/02/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190207T133221_20190207T133221_T22KFU	07/02/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190207T133221_20190207T133221_T22KFV	07/02/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190208T130241_20190208T130244_T23KNQ	08/02/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190208T130241_20190208T130244_T23KNR	08/02/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190209T132239_20190209T132233_T22JDN	09/02/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190209T132239_20190209T132233_T22JDP	09/02/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190209T132239_20190209T132233_T22JDM	09/02/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190209T132239_20190209T132233_T22JEM	09/02/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190209T132239_20190209T132233_T22JEN	09/02/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190209T132239_20190209T132233_T22JEP	09/02/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190209T132239_20190209T132233_T22JEQ	09/02/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190209T132239_20190209T132233_T22JER	09/02/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190209T132239_20190209T132233_T22JES	09/02/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190209T132239_20190209T132233_T22JET	09/02/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190209T132239_20190209T132233_T22JFN	09/02/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190209T132239_20190209T132233_T22JFP	09/02/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20190209T132239_20190209T132233_T22JFQ	09/02/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20190209T132239_20190209T132233_T22JFR	09/02/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20190209T132239_20190209T132233_T22JFS	09/02/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190209T132239_20190209T132233_T22JFT	09/02/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190209T132239_20190209T132233_T22JGQ	09/02/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190209T132239_20190209T132233_T22JGS	09/02/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190209T132239_20190209T132233_T22JGT	09/02/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190209T132239_20190209T132233_T22KEU	09/02/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190209T132239_20190209T132233_T22KFU	09/02/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220

20190209T132239_20190209T132233_T22KFV	09/02/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190209T132239_20190209T132233_T22KGU	09/02/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190210T134211_20190210T134207_T21JXH	10/02/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190211T131241_20190211T131239_T23KLQ	11/02/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190214T132231_20190214T132229_T22JDN	14/02/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190214T132231_20190214T132229_T22JDP	14/02/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190214T132231_20190214T132229_T22JEM	14/02/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190214T132231_20190214T132229_T22JEN	14/02/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190214T132231_20190214T132229_T22JFN	14/02/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190214T132231_20190214T132229_T22JFP	14/02/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20190217T133221_20190217T133221_T21JYH	17/02/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190217T133221_20190217T133221_T22JBM	17/02/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190217T133221_20190217T133221_T22JBN	17/02/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190217T133221_20190217T133221_T22JBP	17/02/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190217T133221_20190217T133221_T22JCM	17/02/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190217T133221_20190217T133221_T22JCN	17/02/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190217T133221_20190217T133221_T22JDM	17/02/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20190217T133221_20190217T133221_T22JEN	17/02/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190217T133221_20190217T133221_T22KDV	17/02/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190217T133221_20190217T133221_T22KFU	17/02/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190219T132229_20190219T132637_T22JDN	19/02/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190219T132229_20190219T132637_T22JDP	19/02/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190219T132229_20190219T132637_T22JEM	19/02/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190219T132229_20190219T132637_T22JEN	19/02/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190219T132229_20190219T132637_T22JER	19/02/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190219T132229_20190219T132637_T22JES	19/02/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190219T132229_20190219T132637_T22JET	19/02/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190219T132229_20190219T132637_T22JFN	19/02/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190219T132229_20190219T132637_T22JFS	19/02/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190219T132229_20190219T132637_T22JFT	19/02/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190219T132229_20190219T132637_T22JGS	19/02/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190219T132229_20190219T132637_T22JGT	19/02/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190219T132229_20190219T132637_T22KFU	19/02/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220

20190219T132229_20190219T132637_T22KFV	19/02/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190219T132229_20190219T132637_T22KGU	19/02/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190220T134211_20190220T134207_T21JXH	20/02/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190220T134211_20190220T134207_T21JYH	20/02/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190220T134211_20190220T134207_T21JYL	20/02/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190220T134211_20190220T134207_T21JYM	20/02/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190220T134211_20190220T134207_T21JYN	20/02/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190220T134211_20190220T134207_T21KZP	20/02/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190220T134211_20190220T134207_T22JBM	20/02/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190220T134211_20190220T134207_T22JBN	20/02/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190220T134211_20190220T134207_T22JBP	20/02/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190220T134211_20190220T134207_T22JBQ	20/02/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190220T134211_20190220T134207_T22JBR	20/02/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190220T134211_20190220T134207_T22JCR	20/02/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190220T134211_20190220T134207_T22JCB	20/02/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190220T134211_20190220T134207_T22KBU	20/02/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190222T133229_20190222T133328_T21JYH	22/02/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190222T133229_20190222T133328_T21JZM	22/02/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190222T133229_20190222T133328_T22JBM	22/02/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190222T133229_20190222T133328_T22JBN	22/02/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190222T133229_20190222T133328_T22JBP	22/02/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190222T133229_20190222T133328_T22JBQ	22/02/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190222T133229_20190222T133328_T22JBR	22/02/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190222T133229_20190222T133328_T22JBS	22/02/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190222T133229_20190222T133328_T22JCM	22/02/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190222T133229_20190222T133328_T22JCN	22/02/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190222T133229_20190222T133328_T22JCP	22/02/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190222T133229_20190222T133328_T22JCQ	22/02/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190222T133229_20190222T133328_T22JCR	22/02/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190222T133229_20190222T133328_T22JCS	22/02/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190222T133229_20190222T133328_T22JDM	22/02/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20190222T133229_20190222T133328_T22JDN	22/02/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190222T133229_20190222T133328_T22JDP	22/02/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240

20190222T133229_20190222T133328_T22JDQ	22/02/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190222T133229_20190222T133328_T22JEN	22/02/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190222T133229_20190222T133328_T22JEP	22/02/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190222T133229_20190222T133328_T22KEV	22/02/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190223T130249_20190223T130246_T23KNQ	23/02/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190223T130249_20190223T130246_T23KNR	23/02/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190224T132231_20190224T132257_T22JDN	24/02/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190224T132231_20190224T132257_T22JEN	24/02/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190224T132231_20190224T132257_T22JEQ	24/02/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190224T132231_20190224T132257_T22JER	24/02/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190224T132231_20190224T132257_T22JES	24/02/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190224T132231_20190224T132257_T22JET	24/02/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190224T132231_20190224T132257_T22JFN	24/02/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190224T132231_20190224T132257_T22JFP	24/02/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20190224T132231_20190224T132257_T22JFQ	24/02/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20190224T132231_20190224T132257_T22JFR	24/02/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20190224T132231_20190224T132257_T22JFS	24/02/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190224T132231_20190224T132257_T22JFT	24/02/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190224T132231_20190224T132257_T22JGQ	24/02/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190224T132231_20190224T132257_T22KFV	24/02/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190224T132231_20190224T132257_T22KGU	24/02/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190225T134209_20190225T134831_T21KZP	25/02/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190225T134209_20190225T134831_T22KBU	25/02/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190227T133221_20190227T133220_T21JYH	27/02/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190227T133221_20190227T133220_T22JBM	27/02/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190227T133221_20190227T133220_T22JBN	27/02/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190227T133221_20190227T133220_T22JBP	27/02/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190227T133221_20190227T133220_T22JBQ	27/02/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190227T133221_20190227T133220_T22JBR	27/02/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190227T133221_20190227T133220_T22JCM	27/02/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190227T133221_20190227T133220_T22JCN	27/02/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190227T133221_20190227T133220_T22JCQ	27/02/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190301T132229_20190301T132658_T22JDN	01/03/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220

20190301T132229_20190301T132658_T22JDP	01/03/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190301T132229_20190301T132658_T22JDQ	01/03/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190301T132229_20190301T132658_T22JEM	01/03/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190301T132229_20190301T132658_T22JEN	01/03/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190301T132229_20190301T132658_T22JEP	01/03/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190301T132229_20190301T132658_T22JEQ	01/03/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190301T132229_20190301T132658_T22JFN	01/03/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190301T132229_20190301T132658_T22JFP	01/03/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20190301T132229_20190301T132658_T22JGQ	01/03/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190302T134211_20190302T134342_T21JXH	02/03/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190302T134211_20190302T134342_T21JYH	02/03/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190302T134211_20190302T134342_T21JYL	02/03/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190302T134211_20190302T134342_T21JYM	02/03/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190302T134211_20190302T134342_T21JYN	02/03/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190302T134211_20190302T134342_T21JZM	02/03/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190302T134211_20190302T134342_T21JZN	02/03/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190302T134211_20190302T134342_T21KZP	02/03/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190302T134211_20190302T134342_T22JBM	02/03/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190302T134211_20190302T134342_T22JBN	02/03/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190302T134211_20190302T134342_T22JBP	02/03/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190302T134211_20190302T134342_T22JBQ	02/03/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190302T134211_20190302T134342_T22JBR	02/03/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190302T134211_20190302T134342_T22JBS	02/03/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190302T134211_20190302T134342_T22JBT	02/03/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190302T134211_20190302T134342_T22JCQ	02/03/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190302T134211_20190302T134342_T22JCR	02/03/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190302T134211_20190302T134342_T22JCS	02/03/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190302T134211_20190302T134342_T22JCT	02/03/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190302T134211_20190302T134342_T22KBU	02/03/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190302T134211_20190302T134342_T22KCU	02/03/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190304T133219_20190304T133359_T21JYH	04/03/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190304T133219_20190304T133359_T21JZM	04/03/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190304T133219_20190304T133359_T22JBN	04/03/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220

20190304T133219_20190304T133359_T22JBP	04/03/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190304T133219_20190304T133359_T22JBQ	04/03/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190304T133219_20190304T133359_T22JBR	04/03/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190304T133219_20190304T133359_T22JBS	04/03/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190304T133219_20190304T133359_T22JCN	04/03/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190304T133219_20190304T133359_T22JCP	04/03/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190304T133219_20190304T133359_T22JCQ	04/03/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190304T133219_20190304T133359_T22JCR	04/03/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190304T133219_20190304T133359_T22JCS	04/03/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190304T133219_20190304T133359_T22JCT	04/03/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190304T133219_20190304T133359_T22JDN	04/03/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190304T133219_20190304T133359_T22JDP	04/03/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190304T133219_20190304T133359_T22JDQ	04/03/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190304T133219_20190304T133359_T22JDR	04/03/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190304T133219_20190304T133359_T22JDS	04/03/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190304T133219_20190304T133359_T22JDT	04/03/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190304T133219_20190304T133359_T22JEN	04/03/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190304T133219_20190304T133359_T22JEP	04/03/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190304T133219_20190304T133359_T22JEQ	04/03/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190304T133219_20190304T133359_T22JER	04/03/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190304T133219_20190304T133359_T22JES	04/03/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190304T133219_20190304T133359_T22JET	04/03/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190304T133219_20190304T133359_T22JFS	04/03/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190304T133219_20190304T133359_T22JFT	04/03/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190304T133219_20190304T133359_T22KCU	04/03/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190304T133219_20190304T133359_T22KDU	04/03/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190304T133219_20190304T133359_T22KDV	04/03/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190304T133219_20190304T133359_T22KFV	04/03/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190305T130249_20190305T130244_T23KNR	05/03/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190306T132231_20190306T132227_T22JES	06/03/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190306T132231_20190306T132227_T22JET	06/03/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190306T132231_20190306T132227_T22JFS	06/03/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190306T132231_20190306T132227_T22JFT	06/03/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200

20190306T132231_20190306T132227_T22JGQ	06/03/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190306T132231_20190306T132227_T22JGS	06/03/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190306T132231_20190306T132227_T22JGT	06/03/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190306T132231_20190306T132227_T22KEU	06/03/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190306T132231_20190306T132227_T22KFU	06/03/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190306T132231_20190306T132227_T22KFV	06/03/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190306T132231_20190306T132227_T22KGU	06/03/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190307T134209_20190307T134642_T21JXH	07/03/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190307T134209_20190307T134642_T21JYH	07/03/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190307T134209_20190307T134642_T22JBM	07/03/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190307T134209_20190307T134642_T22JBP	07/03/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190307T134209_20190307T134642_T22JBQ	07/03/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190307T134209_20190307T134642_T22JCQ	07/03/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190307T134209_20190307T134642_T22JCR	07/03/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190308T131239_20190308T131609_T23KLQ	08/03/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190308T131239_20190308T131609_T23KLR	08/03/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190308T131239_20190308T131609_T23KMQ	08/03/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190308T131239_20190308T131609_T23KMR	08/03/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190308T131239_20190308T131609_T23KNQ	08/03/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190308T131239_20190308T131609_T23KNR	08/03/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190309T133221_20190309T133754_T22KEV	09/03/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190310T130241_20190310T130242_T23KNQ	10/03/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190310T130241_20190310T130242_T23KNR	10/03/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190313T131241_20190313T131238_T23KLQ	13/03/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190313T131241_20190313T131238_T23KMQ	13/03/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190313T131241_20190313T131238_T23KNQ	13/03/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190313T131241_20190313T131238_T23KNR	13/03/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190313T131241_20190313T131828_T23KMQ	13/03/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190314T133219_20190314T133222_T22KEV	14/03/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190314T133219_20190314T133222_T22KFU	14/03/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190314T133219_20190314T133222_T22KFV	14/03/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190314T133219_20190314T133942_T21JYH	14/03/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220

20190314T133219_20190314T133942_T22JBM	14/03/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190314T133219_20190314T133942_T22JBN	14/03/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190314T133219_20190314T133942_T22JBP	14/03/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190314T133219_20190314T133942_T22JCM	14/03/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190314T133219_20190314T133942_T22JCN	14/03/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190314T133219_20190314T133942_T22JCP	14/03/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190314T133219_20190314T133942_T22JDM	14/03/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20190314T133219_20190314T133942_T22JDN	14/03/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190314T133219_20190314T133942_T22JEN	14/03/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190315T130249_20190315T130244_T23KNR	15/03/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190316T132231_20190316T132230_T22JEM	16/03/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190318T131239_20190318T131241_T23KLQ	18/03/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190319T133221_20190319T133711_T21JYH	19/03/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190319T133221_20190319T133711_T22JBM	19/03/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190319T133221_20190319T133711_T22JBN	19/03/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190319T133221_20190319T133711_T22JBP	19/03/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190319T133221_20190319T133711_T22JCM	19/03/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190319T133221_20190319T133711_T22JDM	19/03/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20190319T133221_20190319T133711_T22JDN	19/03/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190319T133221_20190319T133711_T22JDS	19/03/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190319T133221_20190319T133711_T22JEN	19/03/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190319T133221_20190319T133711_T22JER	19/03/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190319T133221_20190319T133711_T22KEV	19/03/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190319T133221_20190319T133711_T22KFU	19/03/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190319T133221_20190319T133711_T22KFV	19/03/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190321T132229_20190321T132858_T22JEM	21/03/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190321T132229_20190321T132858_T22JFN	21/03/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190322T134211_20190322T134817_T21JXH	22/03/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190322T134211_20190322T134817_T21JYH	22/03/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190322T134211_20190322T134817_T21JYL	22/03/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190322T134211_20190322T134817_T21JYM	22/03/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190322T134211_20190322T134817_T21JZN	22/03/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190322T134211_20190322T134817_T21KZP	22/03/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220

20190322T134211_20190322T134817_T22JBM	22/03/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190322T134211_20190322T134817_T22JBN	22/03/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190322T134211_20190322T134817_T22JBP	22/03/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190322T134211_20190322T134817_T22JBQ	22/03/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190322T134211_20190322T134817_T22JBR	22/03/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190322T134211_20190322T134817_T22JBT	22/03/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190322T134211_20190322T134817_T22JCR	22/03/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190322T134211_20190322T134817_T22JCT	22/03/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190322T134211_20190322T134817_T22KBU	22/03/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190322T134211_20190322T134817_T22KCU	22/03/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190323T131241_20190323T131241_T23KLQ	23/03/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190323T131241_20190323T131241_T23KLR	23/03/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190323T131241_20190323T131241_T23KMQ	23/03/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190323T131241_20190323T131241_T23KNQ	23/03/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190324T133229_20190324T133547_T21JYH	24/03/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190324T133229_20190324T133547_T21JZM	24/03/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190324T133229_20190324T133547_T22JBM	24/03/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190324T133229_20190324T133547_T22JBN	24/03/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190324T133229_20190324T133547_T22JBP	24/03/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190324T133229_20190324T133547_T22JBQ	24/03/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190324T133229_20190324T133547_T22JBR	24/03/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190324T133229_20190324T133547_T22JBS	24/03/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190324T133229_20190324T133547_T22JCM	24/03/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190324T133229_20190324T133547_T22JCN	24/03/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190324T133229_20190324T133547_T22JCP	24/03/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190324T133229_20190324T133547_T22JCQ	24/03/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190324T133229_20190324T133547_T22JCR	24/03/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190324T133229_20190324T133547_T22JCS	24/03/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190324T133229_20190324T133547_T22JCT	24/03/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190324T133229_20190324T133547_T22JDM	24/03/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20190324T133229_20190324T133547_T22JDN	24/03/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190324T133229_20190324T133547_T22JDP	24/03/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190324T133229_20190324T133547_T22JDQ	24/03/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200

20190324T133229_20190324T133547_T22JDR	24/03/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190324T133229_20190324T133547_T22JDS	24/03/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190324T133229_20190324T133547_T22JDT	24/03/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190324T133229_20190324T133547_T22JEN	24/03/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190324T133229_20190324T133547_T22JEP	24/03/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190324T133229_20190324T133547_T22JEQ	24/03/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190324T133229_20190324T133547_T22JER	24/03/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190324T133229_20190324T133547_T22JES	24/03/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190324T133229_20190324T133547_T22JET	24/03/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190324T133229_20190324T133547_T22JFS	24/03/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190324T133229_20190324T133547_T22JFT	24/03/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190324T133229_20190324T133547_T22KCU	24/03/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190324T133229_20190324T133547_T22KDU	24/03/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190324T133229_20190324T133547_T22KDV	24/03/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190324T133229_20190324T133547_T22KEU	24/03/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190324T133229_20190324T133547_T22KEV	24/03/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190324T133229_20190324T133547_T22KFU	24/03/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190324T133229_20190324T133547_T22KFV	24/03/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190325T130249_20190325T130247_T23KNQ	25/03/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190326T132231_20190326T132601_T22JDN	26/03/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190326T132231_20190326T132601_T22JDP	26/03/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190326T132231_20190326T132601_T22JEM	26/03/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190326T132231_20190326T132601_T22JEN	26/03/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190326T132231_20190326T132601_T22JEP	26/03/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190326T132231_20190326T132601_T22JET	26/03/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190326T132231_20190326T132601_T22JFN	26/03/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190326T132231_20190326T132601_T22KEU	26/03/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190326T132231_20190326T132601_T22KFU	26/03/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190326T132231_20190326T132601_T22KFV	26/03/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190326T132231_20190326T132601_T22KGU	26/03/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190327T134209_20190327T134357_T21JYL	27/03/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190327T134209_20190327T134357_T21JYM	27/03/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190327T134209_20190327T134357_T21JYN	27/03/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200

20190327T134209_20190327T134357_T21JZM	27/03/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190327T134209_20190327T134357_T21JZN	27/03/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190327T134209_20190327T134357_T21KZP	27/03/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190327T134209_20190327T134357_T22JBP	27/03/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190327T134209_20190327T134357_T22JBQ	27/03/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190327T134209_20190327T134357_T22JBR	27/03/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190327T134209_20190327T134357_T22JBS	27/03/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190327T134209_20190327T134357_T22JBT	27/03/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190327T134209_20190327T134357_T22JCQ	27/03/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190327T134209_20190327T134357_T22JCR	27/03/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190327T134209_20190327T134357_T22JCS	27/03/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190327T134209_20190327T134357_T22JCT	27/03/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190327T134209_20190327T134357_T22KBU	27/03/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190327T134209_20190327T134357_T22KCU	27/03/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190328T131249_20190328T131812_T23KLR	28/03/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190328T131249_20190328T131812_T23KMR	28/03/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190329T133221_20190329T133224_T21JYH	29/03/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190329T133221_20190329T133224_T21JZM	29/03/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190329T133221_20190329T133224_T22JBN	29/03/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190329T133221_20190329T133224_T22JBP	29/03/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190329T133221_20190329T133224_T22JBQ	29/03/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190329T133221_20190329T133224_T22JBR	29/03/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190329T133221_20190329T133224_T22JBS	29/03/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190329T133221_20190329T133224_T22JCN	29/03/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190329T133221_20190329T133224_T22JCP	29/03/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190329T133221_20190329T133224_T22JCQ	29/03/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190329T133221_20190329T133224_T22JCR	29/03/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190329T133221_20190329T133224_T22JCS	29/03/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190329T133221_20190329T133224_T22JCT	29/03/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190329T133221_20190329T133224_T22JDN	29/03/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190329T133221_20190329T133224_T22JDQ	29/03/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190329T133221_20190329T133224_T22JDS	29/03/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190329T133221_20190329T133224_T22JDT	29/03/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200

20190329T133221_20190329T133224_T22JEN	29/03/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190329T133221_20190329T133224_T22KCU	29/03/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190329T133221_20190329T133224_T22KDU	29/03/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190329T133221_20190329T133224_T22KDV	29/03/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190329T133221_20190329T133224_T22KEU	29/03/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190329T133221_20190329T133224_T22KEV	29/03/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190329T133221_20190329T133224_T22KFU	29/03/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190329T133221_20190329T133224_T22KFV	29/03/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190330T130251_20190330T130247_T23KNQ	30/03/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190330T130251_20190330T130247_T23KNR	30/03/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190331T132239_20190331T132235_T22JES	31/03/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190331T132239_20190331T132235_T22JET	31/03/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190331T132239_20190331T132235_T22JFS	31/03/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190331T132239_20190331T132235_T22JFT	31/03/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190331T132239_20190331T132235_T22JGS	31/03/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190331T132239_20190331T132235_T22JGT	31/03/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190331T132239_20190331T132235_T22KEU	31/03/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190331T132239_20190331T132235_T22KFU	31/03/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190331T132239_20190331T132235_T22KFV	31/03/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190331T132239_20190331T132235_T22KGU	31/03/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190401T134211_20190401T134211_T21JXH	01/04/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190401T134211_20190401T134211_T21JYH	01/04/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190401T134211_20190401T134211_T21JZM	01/04/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190401T134211_20190401T134211_T21JZN	01/04/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190401T134211_20190401T134211_T22JBM	01/04/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190401T134211_20190401T134211_T22JBN	01/04/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190401T134211_20190401T134211_T22JBP	01/04/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190401T134211_20190401T134211_T22JBQ	01/04/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190401T134211_20190401T134211_T22JBR	01/04/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190401T134211_20190401T134211_T22JBS	01/04/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190401T134211_20190401T134211_T22JBT	01/04/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190401T134211_20190401T134211_T22JCQ	01/04/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190401T134211_20190401T134211_T22JCR	01/04/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220

20190401T134211_20190401T134211_T22JCS	01/04/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190401T134211_20190401T134211_T22JCT	01/04/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190402T131241_20190402T131243_T23KLQ	02/04/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190402T131241_20190402T131243_T23KLR	02/04/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190402T131241_20190402T131243_T23KMQ	02/04/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190402T131241_20190402T131243_T23KMR	02/04/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190402T131241_20190402T131243_T23KNQ	02/04/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190402T131241_20190402T131243_T23KNR	02/04/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190403T133229_20190403T133835_T22JBP	03/04/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190403T133229_20190403T133835_T22JCM	03/04/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190403T133229_20190403T133835_T22JCN	03/04/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190403T133229_20190403T133835_T22JCP	03/04/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190403T133229_20190403T133835_T22JCQ	03/04/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190403T133229_20190403T133835_T22JDM	03/04/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20190403T133229_20190403T133835_T22JDN	03/04/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190403T133229_20190403T133835_T22JDQ	03/04/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190404T130249_20190404T130250_T23KNQ	04/04/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190404T130249_20190404T130250_T23KNR	04/04/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190406T134219_20190406T134833_T21JXH	06/04/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190408T133231_20190408T133226_T21JYH	08/04/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190408T133231_20190408T133226_T22JBM	08/04/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190408T133231_20190408T133226_T22JBN	08/04/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190408T133231_20190408T133226_T22JCM	08/04/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190408T133231_20190408T133226_T22JCQ	08/04/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190408T133231_20190408T133226_T22JDM	08/04/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20190408T133231_20190408T133226_T22JDQ	08/04/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190408T133231_20190408T133226_T22KCU	08/04/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190408T133231_20190408T133226_T22KDU	08/04/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190408T133231_20190408T133226_T22KDV	08/04/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190410T132239_20190410T132454_T22JDN	10/04/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190410T132239_20190410T132454_T22JDP	10/04/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190410T132239_20190410T132454_T22JDQ	10/04/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190410T132239_20190410T132454_T22JEM	10/04/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200

20190410T132239_20190410T132454_T22JEN	10/04/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190410T132239_20190410T132454_T22JEP	10/04/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190410T132239_20190410T132454_T22JEQ	10/04/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190410T132239_20190410T132454_T22JFN	10/04/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190410T132239_20190410T132454_T22JFP	10/04/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20190410T132239_20190410T132454_T22JFQ	10/04/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20190410T132239_20190410T132454_T22JGS	10/04/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190410T132239_20190410T132454_T22JGT	10/04/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190410T132239_20190410T132454_T22KEU	10/04/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190410T132239_20190410T132454_T22KFU	10/04/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190410T132239_20190410T132454_T22KFV	10/04/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190410T132239_20190410T132454_T22KGU	10/04/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190411T134211_20190411T134726_T21JXH	11/04/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190411T134211_20190411T134726_T21JYH	11/04/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190411T134211_20190411T134726_T21JYL	11/04/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190411T134211_20190411T134726_T21JYM	11/04/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190411T134211_20190411T134726_T21JYN	11/04/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190411T134211_20190411T134726_T21JZM	11/04/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190411T134211_20190411T134726_T21JZN	11/04/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190411T134211_20190411T134726_T21KZP	11/04/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190411T134211_20190411T134726_T22JBM	11/04/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190411T134211_20190411T134726_T22JBN	11/04/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190411T134211_20190411T134726_T22JBP	11/04/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190411T134211_20190411T134726_T22JBQ	11/04/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190411T134211_20190411T134726_T22JBR	11/04/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190411T134211_20190411T134726_T22JBS	11/04/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190411T134211_20190411T134726_T22JBT	11/04/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190411T134211_20190411T134726_T22JCQ	11/04/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190411T134211_20190411T134726_T22JCR	11/04/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190411T134211_20190411T134726_T22JCS	11/04/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190411T134211_20190411T134726_T22JCT	11/04/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190411T134211_20190411T134726_T22KBU	11/04/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190411T134211_20190411T134726_T22KCU	11/04/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220

20190412T131251_20190412T131245_T23KLQ	12/04/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190412T131251_20190412T131245_T23KLR	12/04/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190412T131251_20190412T131245_T23KMQ	12/04/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190412T131251_20190412T131245_T23KMR	12/04/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190412T131251_20190412T131245_T23KNQ	12/04/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190412T131251_20190412T131245_T23KNR	12/04/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190413T133229_20190413T133229_T21JYH	13/04/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190413T133229_20190413T133229_T21JZM	13/04/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190413T133229_20190413T133229_T22JBN	13/04/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190413T133229_20190413T133229_T22JBP	13/04/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190413T133229_20190413T133229_T22JBQ	13/04/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190413T133229_20190413T133229_T22JBR	13/04/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190413T133229_20190413T133229_T22JBS	13/04/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190413T133229_20190413T133229_T22JCM	13/04/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190413T133229_20190413T133229_T22JCQ	13/04/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190413T133229_20190413T133229_T22JCR	13/04/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190413T133229_20190413T133229_T22JDQ	13/04/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190413T133229_20190413T133229_T22JDR	13/04/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190413T133229_20190413T133229_T22JEQ	13/04/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190413T133229_20190413T133229_T22JET	13/04/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190413T133229_20190413T133229_T22JFT	13/04/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190413T133229_20190413T133229_T22KDU	13/04/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190413T133229_20190413T133229_T22KDV	13/04/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190413T133229_20190413T133229_T22KEU	13/04/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190413T133229_20190413T133229_T22KFU	13/04/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190415T132241_20190415T132235_T22JDN	15/04/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190415T132241_20190415T132235_T22JDP	15/04/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190415T132241_20190415T132235_T22JDQ	15/04/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190415T132241_20190415T132235_T22JEM	15/04/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190415T132241_20190415T132235_T22JEN	15/04/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190415T132241_20190415T132235_T22JEP	15/04/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190415T132241_20190415T132235_T22JEQ	15/04/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190415T132241_20190415T132235_T22JER	15/04/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220

20190415T132241_20190415T132235_T22JES	15/04/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190415T132241_20190415T132235_T22JET	15/04/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190415T132241_20190415T132235_T22JFN	15/04/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190415T132241_20190415T132235_T22JFP	15/04/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20190415T132241_20190415T132235_T22JFQ	15/04/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20190415T132241_20190415T132235_T22JFR	15/04/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20190415T132241_20190415T132235_T22JFS	15/04/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190415T132241_20190415T132235_T22JFT	15/04/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190415T132241_20190415T132235_T22JGQ	15/04/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190415T132241_20190415T132235_T22JGS	15/04/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190415T132241_20190415T132235_T22JGT	15/04/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190415T132241_20190415T132235_T22KEU	15/04/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190415T132241_20190415T132235_T22KFU	15/04/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190415T132241_20190415T132235_T22KFV	15/04/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190415T132241_20190415T132235_T22KGU	15/04/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190416T134219_20190416T134216_T21JYL	16/04/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190416T134219_20190416T134216_T21JYM	16/04/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190416T134219_20190416T134216_T21JYN	16/04/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190416T134219_20190416T134216_T22JBQ	16/04/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190416T134219_20190416T134216_T22JBR	16/04/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190416T134219_20190416T134216_T22JCT	16/04/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190417T131249_20190417T131248_T23KLR	17/04/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190417T131249_20190417T131248_T23KMR	17/04/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190417T131249_20190417T131248_T23KNR	17/04/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190418T133231_20190418T133227_T21JZM	18/04/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190418T133231_20190418T133227_T22JBS	18/04/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190418T133231_20190418T133227_T22JCR	18/04/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190418T133231_20190418T133227_T22JCS	18/04/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190418T133231_20190418T133227_T22JCT	18/04/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190418T133231_20190418T133227_T22JDR	18/04/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190418T133231_20190418T133227_T22JDS	18/04/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190418T133231_20190418T133227_T22JDT	18/04/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190418T133231_20190418T133227_T22JER	18/04/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220

20190418T133231_20190418T133227_T22JES	18/04/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190418T133231_20190418T133227_T22JET	18/04/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190418T133231_20190418T133227_T22JFS	18/04/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190418T133231_20190418T133227_T22JFT	18/04/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190418T133231_20190418T133227_T22KCU	18/04/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190418T133231_20190418T133227_T22KDU	18/04/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190418T133231_20190418T133227_T22KDV	18/04/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190418T133231_20190418T133227_T22KEU	18/04/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190418T133231_20190418T133227_T22KEV	18/04/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190418T133231_20190418T133227_T22KFU	18/04/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190418T133231_20190418T133227_T22KFV	18/04/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190418T133231_20190418T133940_T21JYH	18/04/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190418T133231_20190418T133940_T21JZM	18/04/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190418T133231_20190418T133940_T22JBM	18/04/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190418T133231_20190418T133940_T22JBN	18/04/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190418T133231_20190418T133940_T22JBP	18/04/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190418T133231_20190418T133940_T22JBQ	18/04/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190418T133231_20190418T133940_T22JBR	18/04/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190418T133231_20190418T133940_T22JBS	18/04/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190418T133231_20190418T133940_T22JCM	18/04/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190418T133231_20190418T133940_T22JCN	18/04/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190418T133231_20190418T133940_T22JCP	18/04/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190418T133231_20190418T133940_T22JCQ	18/04/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190418T133231_20190418T133940_T22JCR	18/04/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190418T133231_20190418T133940_T22JCS	18/04/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190418T133231_20190418T133940_T22JDQ	18/04/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190418T133231_20190418T133940_T22JDR	18/04/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190418T133231_20190418T133940_T22JDS	18/04/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190418T133231_20190418T133940_T22JEP	18/04/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190418T133231_20190418T133940_T22JEQ	18/04/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190418T133231_20190418T133940_T22JER	18/04/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190419T130251_20190419T130250_T23KNQ	19/04/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190419T130251_20190419T130250_T23KNR	19/04/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200

20190420T132239_20190420T132239_T22JGS	20/04/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190420T132239_20190420T132239_T22KFU	20/04/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190420T132239_20190420T132239_T22KFV	20/04/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190420T132239_20190420T132239_T22KGU	20/04/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190422T131251_20190422T131246_T23KLQ	22/04/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190422T131251_20190422T131246_T23KLR	22/04/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190422T131251_20190422T131246_T23KMQ	22/04/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190422T131251_20190422T131246_T23KMR	22/04/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190422T131251_20190422T131246_T23KNQ	22/04/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190422T131251_20190422T131246_T23KNR	22/04/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190423T133229_20190423T133231_T21JYH	23/04/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190423T133229_20190423T133231_T22JBQ	23/04/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190423T133229_20190423T133231_T22JCP	23/04/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190423T133229_20190423T133231_T22JCQ	23/04/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190423T133229_20190423T133231_T22JDN	23/04/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190423T133229_20190423T133231_T22JDP	23/04/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190423T133229_20190423T133231_T22JEN	23/04/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190423T133229_20190423T133231_T22KCU	23/04/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190423T133229_20190423T133231_T22KDU	23/04/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190424T130259_20190424T130253_T23KNQ	24/04/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190425T132241_20190425T132236_T22KEU	25/04/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190425T132241_20190425T132236_T22KFU	25/04/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190425T132241_20190425T132236_T22KFV	25/04/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190426T134219_20190426T134217_T21JZN	26/04/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190426T134219_20190426T134217_T21KZP	26/04/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190426T134219_20190426T134217_T22JBT	26/04/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190426T134219_20190426T134217_T22KBU	26/04/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190426T134219_20190426T134217_T22KCU	26/04/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190426T134219_20190426T134915_T21KZP	26/04/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190426T134219_20190426T134915_T22KBU	26/04/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190427T131249_20190427T131250_T23KLQ	27/04/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190427T131249_20190427T131250_T23KLR	27/04/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190427T131249_20190427T131250_T23KMQ	27/04/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240

20190427T131249_20190427T131250_T23KMR	27/04/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190427T131249_20190427T131250_T23KNQ	27/04/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190427T131249_20190427T131250_T23KNR	27/04/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190428T133231_20190428T133930_T22JBM	28/04/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190429T130251_20190429T130251_T23KNQ	29/04/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190429T130251_20190429T130251_T23KNR	29/04/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190430T132239_20190430T132240_T22JDN	30/04/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190430T132239_20190430T132240_T22JDP	30/04/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190430T132239_20190430T132240_T22JEN	30/04/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190430T132239_20190430T132240_T22JEP	30/04/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190430T132239_20190430T132240_T22JET	30/04/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190430T132239_20190430T132240_T22JFN	30/04/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190430T132239_20190430T132240_T22JFP	30/04/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20190430T132239_20190430T132240_T22JFQ	30/04/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20190430T132239_20190430T132240_T22JGQ	30/04/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190501T134211_20190501T134214_T21JXH	01/05/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190501T134211_20190501T134214_T21JYH	01/05/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190501T134211_20190501T134214_T22JBM	01/05/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190501T134211_20190501T134214_T22JBN	01/05/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190503T133229_20190503T133232_T21JZM	03/05/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190503T133229_20190503T133232_T22JBP	03/05/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190503T133229_20190503T133232_T22JBQ	03/05/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190503T133229_20190503T133232_T22JBR	03/05/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190503T133229_20190503T133232_T22JBS	03/05/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190503T133229_20190503T133232_T22JCN	03/05/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190503T133229_20190503T133232_T22JCP	03/05/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190503T133229_20190503T133232_T22JCQ	03/05/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190503T133229_20190503T133232_T22JCR	03/05/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190503T133229_20190503T133232_T22JCS	03/05/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190503T133229_20190503T133232_T22JDN	03/05/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190503T133229_20190503T133232_T22JDP	03/05/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190503T133229_20190503T133232_T22JDQ	03/05/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190503T133229_20190503T133232_T22JDS	03/05/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240

20190503T133229_20190503T133232_T22JEN	03/05/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190503T133229_20190503T133232_T22JEP	03/05/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190503T133229_20190503T133232_T22JEQ	03/05/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190503T133229_20190503T133232_T22JES	03/05/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190503T133229_20190503T133232_T22JFS	03/05/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190505T132241_20190505T132237_T22JDQ	05/05/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190505T132241_20190505T132237_T22JEP	05/05/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190505T132241_20190505T132237_T22JEQ	05/05/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190505T132241_20190505T132237_T22JER	05/05/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190505T132241_20190505T132237_T22JES	05/05/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190505T132241_20190505T132237_T22JET	05/05/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190505T132241_20190505T132237_T22JFN	05/05/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190505T132241_20190505T132237_T22JFP	05/05/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20190505T132241_20190505T132237_T22JFQ	05/05/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20190505T132241_20190505T132237_T22JFR	05/05/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20190505T132241_20190505T132237_T22JFS	05/05/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190505T132241_20190505T132237_T22JFT	05/05/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190505T132241_20190505T132237_T22JGQ	05/05/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190505T132241_20190505T132237_T22KEU	05/05/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190505T132241_20190505T132237_T22KFU	05/05/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190505T132241_20190505T132237_T22KFV	05/05/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190505T132241_20190505T132237_T22KGU	05/05/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190506T134219_20190506T134219_T22JCT	06/05/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190506T134219_20190506T134219_T22KCU	06/05/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190507T131249_20190507T131251_T23KLR	07/05/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190507T131249_20190507T131251_T23KMR	07/05/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190507T131249_20190507T131251_T23KNQ	07/05/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190507T131249_20190507T131251_T23KNR	07/05/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190508T133231_20190508T133756_T21JYH	08/05/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190508T133231_20190508T133756_T22JCS	08/05/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190508T133231_20190508T133756_T22JCT	08/05/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190508T133231_20190508T133756_T22JEN	08/05/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190508T133231_20190508T133756_T22KCU	08/05/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220

20190508T133231_20190508T133756_T22KDU	08/05/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190508T133231_20190508T133756_T22KDV	08/05/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190508T133231_20190508T133756_T22KEV	08/05/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190512T131251_20190512T131246_T23KLQ	12/05/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190512T131251_20190512T131246_T23KLR	12/05/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190512T131251_20190512T131246_T23KMQ	12/05/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190512T131251_20190512T131246_T23KMR	12/05/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190512T131251_20190512T131246_T23KNQ	12/05/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190512T131251_20190512T131246_T23KNR	12/05/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190515T132241_20190515T132237_T22JDP	15/05/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190515T132241_20190515T132237_T22JDQ	15/05/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190515T132241_20190515T132237_T22JEM	15/05/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190515T132241_20190515T132237_T22JEP	15/05/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190515T132241_20190515T132237_T22JEQ	15/05/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190515T132241_20190515T132237_T22JER	15/05/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190515T132241_20190515T132237_T22JFN	15/05/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190515T132241_20190515T132237_T22KEU	15/05/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190516T134219_20190516T134331_T21JXH	16/05/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190516T134219_20190516T134331_T21JYH	16/05/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190516T134219_20190516T134331_T21JYL	16/05/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190516T134219_20190516T134331_T21JYM	16/05/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190516T134219_20190516T134331_T21JYN	16/05/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190516T134219_20190516T134331_T21JZM	16/05/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190516T134219_20190516T134331_T21JZN	16/05/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190516T134219_20190516T134331_T22JBM	16/05/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190516T134219_20190516T134331_T22JBN	16/05/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190516T134219_20190516T134331_T22JBP	16/05/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190516T134219_20190516T134331_T22JBQ	16/05/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190516T134219_20190516T134331_T22JBR	16/05/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190516T134219_20190516T134331_T22JBS	16/05/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190516T134219_20190516T134331_T22JBT	16/05/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190516T134219_20190516T134331_T22JCQ	16/05/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190516T134219_20190516T134331_T22JCR	16/05/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220

20190516T134219_20190516T134331_T22JCS	16/05/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190516T134219_20190516T134331_T22JCT	16/05/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190518T133231_20190518T133228_T22JCT	18/05/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190518T133231_20190518T133228_T22JDT	18/05/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190518T133231_20190518T133228_T22KCU	18/05/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190518T133231_20190518T133228_T22KDU	18/05/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190518T133231_20190518T133228_T22KDV	18/05/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190518T133231_20190518T133919_T21JYH	18/05/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190518T133231_20190518T133919_T21JZM	18/05/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190518T133231_20190518T133919_T22JBM	18/05/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190518T133231_20190518T133919_T22JBN	18/05/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190518T133231_20190518T133919_T22JBP	18/05/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190518T133231_20190518T133919_T22JBQ	18/05/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190518T133231_20190518T133919_T22JBR	18/05/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190518T133231_20190518T133919_T22JBS	18/05/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190518T133231_20190518T133919_T22JCM	18/05/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190518T133231_20190518T133919_T22JCN	18/05/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190518T133231_20190518T133919_T22JCP	18/05/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190518T133231_20190518T133919_T22JCQ	18/05/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190518T133231_20190518T133919_T22JCR	18/05/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190518T133231_20190518T133919_T22JCS	18/05/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190518T133231_20190518T133919_T22JCT	18/05/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190518T133231_20190518T133919_T22JDM	18/05/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20190518T133231_20190518T133919_T22JDN	18/05/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190518T133231_20190518T133919_T22JDP	18/05/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190518T133231_20190518T133919_T22JEN	18/05/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190518T133231_20190518T133919_T22JEP	18/05/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190519T130251_20190519T130251_T23KNQ	19/05/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190522T131251_20190522T131246_T23KLQ	22/05/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190522T131251_20190522T131246_T23KLR	22/05/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190522T131251_20190522T131246_T23KMQ	22/05/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190522T131251_20190522T131246_T23KMR	22/05/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190522T131251_20190522T131246_T23KNQ	22/05/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240

20190522T131251_20190522T131246_T23KNR	22/05/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190525T132241_20190525T132236_T22JEM	25/05/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190525T132241_20190525T132236_T22JES	25/05/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190525T132241_20190525T132236_T22JET	25/05/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190525T132241_20190525T132236_T22JFN	25/05/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190525T132241_20190525T132236_T22JFQ	25/05/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20190525T132241_20190525T132236_T22JFR	25/05/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20190525T132241_20190525T132236_T22JFS	25/05/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190525T132241_20190525T132236_T22JFT	25/05/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190525T132241_20190525T132236_T22JGS	25/05/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190525T132241_20190525T132236_T22JGT	25/05/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190525T132241_20190525T132236_T22KEU	25/05/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190525T132241_20190525T132236_T22KFU	25/05/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190525T132241_20190525T132236_T22KFV	25/05/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190525T132241_20190525T132236_T22KGU	25/05/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190526T134219_20190526T134219_T21JYL	26/05/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190526T134219_20190526T134219_T21JYM	26/05/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190526T134219_20190526T134219_T21JYN	26/05/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190526T134219_20190526T134219_T21JZM	26/05/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190526T134219_20190526T134219_T21JZN	26/05/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190526T134219_20190526T134219_T21KZP	26/05/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190526T134219_20190526T134219_T22JBN	26/05/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190526T134219_20190526T134219_T22JBP	26/05/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190526T134219_20190526T134219_T22JBQ	26/05/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190526T134219_20190526T134219_T22JBR	26/05/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190526T134219_20190526T134219_T22JBS	26/05/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190526T134219_20190526T134219_T22JBT	26/05/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190526T134219_20190526T134219_T22JCQ	26/05/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190526T134219_20190526T134219_T22JCR	26/05/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190526T134219_20190526T134219_T22JCS	26/05/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190526T134219_20190526T134219_T22JCT	26/05/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190526T134219_20190526T134219_T22KBU	26/05/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190526T134219_20190526T134219_T22KCU	26/05/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220

20190526T134219_20190526T135030_T21JXH	26/05/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190526T134219_20190526T135030_T21JYH	26/05/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190526T134219_20190526T135030_T22JBM	26/05/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190526T134219_20190526T135030_T22JBN	26/05/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190526T134219_20190526T135030_T22JBP	26/05/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190527T131249_20190527T131251_T23KLQ	27/05/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190527T131249_20190527T131251_T23KLR	27/05/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190527T131249_20190527T131251_T23KMQ	27/05/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190527T131249_20190527T131251_T23KMR	27/05/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190527T131249_20190527T131251_T23KNQ	27/05/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190527T131249_20190527T131251_T23KNR	27/05/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190530T132239_20190530T132502_T22KFV	30/05/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190601T131251_20190601T131245_T23KLQ	01/06/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190601T131251_20190601T131245_T23KLR	01/06/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190601T131251_20190601T131245_T23KMQ	01/06/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190601T131251_20190601T131245_T23KMR	01/06/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190601T131251_20190601T131245_T23KNQ	01/06/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190601T131251_20190601T131245_T23KNR	01/06/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190602T133229_20190602T133232_T21JZM	02/06/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190602T133229_20190602T133232_T22JBS	02/06/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190602T133229_20190602T133232_T22JCR	02/06/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190602T133229_20190602T133232_T22JCS	02/06/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190602T133229_20190602T133232_T22JCT	02/06/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190604T132241_20190604T132235_T22JES	04/06/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190604T132241_20190604T132235_T22JET	04/06/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190604T132241_20190604T132235_T22JFS	04/06/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190604T132241_20190604T132235_T22JFT	04/06/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190604T132241_20190604T132235_T22JGS	04/06/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190604T132241_20190604T132235_T22JGT	04/06/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190604T132241_20190604T132235_T22KEU	04/06/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190604T132241_20190604T132235_T22KFU	04/06/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190604T132241_20190604T132235_T22KFV	04/06/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190604T132241_20190604T132235_T22KGU	04/06/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220

20190604T132241_20190604T132926_T22JDN	04/06/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190604T132241_20190604T132926_T22JDP	04/06/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190604T132241_20190604T132926_T22JDQ	04/06/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190604T132241_20190604T132926_T22JEM	04/06/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190604T132241_20190604T132926_T22JEN	04/06/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190604T132241_20190604T132926_T22JEP	04/06/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190604T132241_20190604T132926_T22JEQ	04/06/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190604T132241_20190604T132926_T22JER	04/06/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190604T132241_20190604T132926_T22JES	04/06/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190604T132241_20190604T132926_T22JFN	04/06/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190604T132241_20190604T132926_T22JFP	04/06/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20190604T132241_20190604T132926_T22JFQ	04/06/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20190604T132241_20190604T132926_T22JFR	04/06/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20190604T132241_20190604T132926_T22JFS	04/06/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190604T132241_20190604T132926_T22JGQ	04/06/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190604T132241_20190604T132926_T22JGS	04/06/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190605T134219_20190605T134218_T21JYL	05/06/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190605T134219_20190605T134218_T21JYM	05/06/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190605T134219_20190605T134218_T21JYN	05/06/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190605T134219_20190605T134218_T21JZM	05/06/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190605T134219_20190605T134218_T21JZN	05/06/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190605T134219_20190605T134218_T21KZP	05/06/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190605T134219_20190605T134218_T22JBP	05/06/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190605T134219_20190605T134218_T22JBQ	05/06/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190605T134219_20190605T134218_T22JBR	05/06/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190605T134219_20190605T134218_T22JBS	05/06/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190605T134219_20190605T134218_T22JBT	05/06/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190605T134219_20190605T134218_T22JCS	05/06/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190605T134219_20190605T134218_T22JCT	05/06/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190605T134219_20190605T134218_T22KBU	05/06/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190605T134219_20190605T134218_T22KCU	05/06/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190606T131249_20190606T131630_T23KLQ	06/06/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190606T131249_20190606T131630_T23KLR	06/06/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200

20190606T131249_20190606T131630_T23KMQ	06/06/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190606T131249_20190606T131630_T23KNR	06/06/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190607T133231_20190607T133226_T21JZM	07/06/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190607T133231_20190607T133226_T22JBP	07/06/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190607T133231_20190607T133226_T22JBQ	07/06/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190607T133231_20190607T133226_T22JBR	07/06/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190607T133231_20190607T133226_T22JBS	07/06/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190607T133231_20190607T133226_T22JCP	07/06/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190607T133231_20190607T133226_T22JCQ	07/06/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190607T133231_20190607T133226_T22JCR	07/06/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190607T133231_20190607T133226_T22JCS	07/06/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190607T133231_20190607T133226_T22JCT	07/06/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190607T133231_20190607T133226_T22JDN	07/06/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190607T133231_20190607T133226_T22JDP	07/06/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190607T133231_20190607T133226_T22JDR	07/06/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190607T133231_20190607T133226_T22JDS	07/06/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190607T133231_20190607T133226_T22JDT	07/06/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190607T133231_20190607T133226_T22JEN	07/06/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190607T133231_20190607T133226_T22JEP	07/06/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190607T133231_20190607T133226_T22JER	07/06/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190607T133231_20190607T133226_T22JES	07/06/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190607T133231_20190607T133226_T22JET	07/06/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190607T133231_20190607T133226_T22JFS	07/06/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190607T133231_20190607T133226_T22JFT	07/06/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190607T133231_20190607T133226_T22KCU	07/06/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190607T133231_20190607T133226_T22KDU	07/06/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190607T133231_20190607T133226_T22KDV	07/06/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190607T133231_20190607T133226_T22KEU	07/06/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190607T133231_20190607T133226_T22KEV	07/06/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190607T133231_20190607T133226_T22KFU	07/06/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190607T133231_20190607T133226_T22KFV	07/06/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190609T132239_20190609T132240_T22JDN	09/06/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190609T132239_20190609T132240_T22JDP	09/06/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240

20190609T132239_20190609T132240_T22JDQ	09/06/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190609T132239_20190609T132240_T22JEM	09/06/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190609T132239_20190609T132240_T22JEN	09/06/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190609T132239_20190609T132240_T22JEP	09/06/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190609T132239_20190609T132240_T22JER	09/06/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190609T132239_20190609T132240_T22JES	09/06/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190609T132239_20190609T132240_T22JET	09/06/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190609T132239_20190609T132240_T22JFS	09/06/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190609T132239_20190609T132240_T22JFT	09/06/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190609T132239_20190609T132240_T22JGQ	09/06/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190609T132239_20190609T132240_T22JGS	09/06/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190609T132239_20190609T132240_T22JGT	09/06/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190609T132239_20190609T132240_T22KEU	09/06/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190609T132239_20190609T132240_T22KFU	09/06/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190609T132239_20190609T132240_T22KFV	09/06/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190609T132239_20190609T132240_T22KGU	09/06/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190610T134211_20190610T134213_T21JYM	10/06/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190610T134211_20190610T134213_T21JYN	10/06/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190610T134211_20190610T134213_T21JZM	10/06/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190610T134211_20190610T134213_T21JZN	10/06/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190610T134211_20190610T134213_T21KZP	10/06/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190610T134211_20190610T134213_T22JBS	10/06/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190610T134211_20190610T134213_T22JBT	10/06/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190610T134211_20190610T134213_T22JCR	10/06/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190610T134211_20190610T134213_T22JCS	10/06/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190610T134211_20190610T134213_T22JCT	10/06/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190610T134211_20190610T134213_T22KBU	10/06/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190610T134211_20190610T134213_T22KCU	10/06/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190611T131251_20190611T131245_T23KLQ	11/06/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190611T131251_20190611T131245_T23KLR	11/06/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190611T131251_20190611T131245_T23KMQ	11/06/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190611T131251_20190611T131245_T23KMR	11/06/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190611T131251_20190611T131245_T23KNQ	11/06/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240

20190611T131251_20190611T131245_T23KNR	11/06/2019	7490200	609780	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190612T133229_20190612T133231_T21JZM	12/06/2019	7090240	909780	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190612T133229_20190612T133231_T22JBS	12/06/2019	7090240	309780	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190612T133229_20190612T133231_T22JCR	12/06/2019	6990220	409800	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190612T133229_20190612T133231_T22JCT	12/06/2019	7190200	409800	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190612T133229_20190612T133231_T22JDT	12/06/2019	7190200	509760	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190612T133229_20190612T133231_T22JET	12/06/2019	7190200	609780	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190612T133229_20190612T133231_T22JFT	12/06/2019	7190200	709800	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190612T133229_20190612T133231_T22KCU	12/06/2019	7290220	409800	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190612T133229_20190612T133231_T22KDU	12/06/2019	7290220	509760	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190612T133229_20190612T133231_T22KDV	12/06/2019	7390240	509760	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190612T133229_20190612T133231_T22KEU	12/06/2019	7290220	609780	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190612T133229_20190612T133231_T22KEV	12/06/2019	7390240	609780	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190612T133229_20190612T133231_T22KFU	12/06/2019	7290220	709800	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190612T133229_20190612T133231_T22KFV	12/06/2019	7390240	709800	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190613T130259_20190613T130254_T23KNQ	13/06/2019	7390240	609780	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190613T130259_20190613T130254_T23KNR	13/06/2019	7490200	609780	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190614T132241_20190614T132236_T22JES	14/06/2019	7090240	609780	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190614T132241_20190614T132236_T22JET	14/06/2019	7190200	609780	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190614T132241_20190614T132236_T22JFS	14/06/2019	7090240	709800	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190614T132241_20190614T132236_T22JFT	14/06/2019	7190200	709800	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190614T132241_20190614T132236_T22JGS	14/06/2019	7090240	809760	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190614T132241_20190614T132236_T22JGT	14/06/2019	7190200	809760	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190614T132241_20190614T132236_T22KEU	14/06/2019	7290220	609780	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190614T132241_20190614T132236_T22KFU	14/06/2019	7290220	709800	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190614T132241_20190614T132236_T22KFV	14/06/2019	7390240	709800	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190614T132241_20190614T132236_T22KGU	14/06/2019	7290220	809760	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190616T131249_20190616T131250_T23KLQ	16/06/2019	7390240	409800	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190616T131249_20190616T131250_T23KLR	16/06/2019	7490200	409800	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190616T131249_20190616T131250_T23KMQ	16/06/2019	7390240	509760	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190616T131249_20190616T131250_T23KMR	16/06/2019	7490200	509760	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190616T131249_20190616T131250_T23KNR	16/06/2019	7490200	609780	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190617T133231_20190617T133228_T21JZM	17/06/2019	7090240	909780	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240

20190617T133231_20190617T133228_T22JBN	17/06/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190617T133231_20190617T133228_T22JBP	17/06/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190617T133231_20190617T133228_T22JBQ	17/06/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190617T133231_20190617T133228_T22JBR	17/06/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190617T133231_20190617T133228_T22JBS	17/06/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190617T133231_20190617T133228_T22JCP	17/06/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190617T133231_20190617T133228_T22JCQ	17/06/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190617T133231_20190617T133228_T22JCR	17/06/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190617T133231_20190617T133228_T22JCS	17/06/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190617T133231_20190617T133228_T22JCT	17/06/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190617T133231_20190617T133228_T22JDP	17/06/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190617T133231_20190617T133228_T22JDQ	17/06/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190617T133231_20190617T133228_T22JDR	17/06/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190617T133231_20190617T133228_T22JDS	17/06/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190617T133231_20190617T133228_T22JDT	17/06/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190617T133231_20190617T133228_T22JEN	17/06/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190617T133231_20190617T133228_T22JEP	17/06/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190617T133231_20190617T133228_T22JEQ	17/06/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190617T133231_20190617T133228_T22JER	17/06/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190617T133231_20190617T133228_T22JES	17/06/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190617T133231_20190617T133228_T22JET	17/06/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190617T133231_20190617T133228_T22JFS	17/06/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190617T133231_20190617T133228_T22JFT	17/06/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190617T133231_20190617T133228_T22KCU	17/06/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190617T133231_20190617T133228_T22KDU	17/06/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190617T133231_20190617T133228_T22KDV	17/06/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190617T133231_20190617T133228_T22KEU	17/06/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190617T133231_20190617T133228_T22KEV	17/06/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190617T133231_20190617T133228_T22KFU	17/06/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190617T133231_20190617T133228_T22KFV	17/06/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190618T130251_20190618T130251_T23KNQ	18/06/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190619T132239_20190619T132240_T22JES	19/06/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190619T132239_20190619T132240_T22JET	19/06/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200

20190619T132239_20190619T132240_T22JFS	19/06/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190619T132239_20190619T132240_T22JFT	19/06/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190619T132239_20190619T132240_T22JGS	19/06/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190619T132239_20190619T132240_T22JGT	19/06/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190619T132239_20190619T132240_T22KEU	19/06/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190619T132239_20190619T132240_T22KFU	19/06/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190619T132239_20190619T132240_T22KFV	19/06/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190619T132239_20190619T132240_T22KGU	19/06/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190620T134211_20190620T134214_T21JXH	20/06/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190620T134211_20190620T134214_T21JYH	20/06/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190620T134211_20190620T134214_T21JYL	20/06/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190620T134211_20190620T134214_T21JYM	20/06/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190620T134211_20190620T134214_T21JZM	20/06/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190620T134211_20190620T134214_T21JZN	20/06/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190620T134211_20190620T134214_T21KZP	20/06/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190620T134211_20190620T134214_T22JBM	20/06/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190620T134211_20190620T134214_T22JBN	20/06/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190620T134211_20190620T134214_T22JBP	20/06/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190620T134211_20190620T134214_T22JBQ	20/06/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190620T134211_20190620T134214_T22JBR	20/06/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190620T134211_20190620T134214_T22JBS	20/06/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190620T134211_20190620T134214_T22JBT	20/06/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190620T134211_20190620T134214_T22JCQ	20/06/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190620T134211_20190620T134214_T22JCR	20/06/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190620T134211_20190620T134214_T22JCT	20/06/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190621T131251_20190621T131247_T23KLQ	21/06/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190621T131251_20190621T131247_T23KLR	21/06/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190622T133229_20190622T133232_T22JBR	22/06/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190622T133229_20190622T133232_T22JCT	22/06/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190622T133229_20190622T133232_T22JDQ	22/06/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190622T133229_20190622T133232_T22JDT	22/06/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190622T133229_20190622T133232_T22KCU	22/06/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190622T133229_20190622T133232_T22KDU	22/06/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220

20190622T133229_20190622T133232_T22KDV	22/06/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190622T133229_20190622T133232_T22KEU	22/06/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190622T133229_20190622T133232_T22KEV	22/06/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190622T133229_20190622T133232_T22KFU	22/06/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190622T133229_20190622T133232_T22KFV	22/06/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190623T130259_20190623T130349_T23KNQ	23/06/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190623T130259_20190623T130349_T23KNR	23/06/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190624T132241_20190624T132237_T22JDQ	24/06/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190624T132241_20190624T132237_T22JEQ	24/06/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190624T132241_20190624T132237_T22JES	24/06/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190624T132241_20190624T132237_T22JET	24/06/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190624T132241_20190624T132237_T22JFP	24/06/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20190624T132241_20190624T132237_T22JFS	24/06/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190624T132241_20190624T132237_T22JFT	24/06/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190624T132241_20190624T132237_T22JGT	24/06/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190624T132241_20190624T132237_T22KEU	24/06/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190624T132241_20190624T132237_T22KFU	24/06/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190624T132241_20190624T132237_T22KFV	24/06/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190624T132241_20190624T132237_T22KGU	24/06/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190625T134219_20190625T134411_T21JYN	25/06/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190625T134219_20190625T134411_T21JZN	25/06/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190625T134219_20190625T134411_T21KZP	25/06/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190625T134219_20190625T134411_T22JBT	25/06/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190625T134219_20190625T134411_T22JCT	25/06/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190625T134219_20190625T134411_T22KBU	25/06/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190625T134219_20190625T134411_T22KCU	25/06/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190626T131249_20190626T131251_T23KLQ	26/06/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190626T131249_20190626T131251_T23KLR	26/06/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190626T131249_20190626T131251_T23KMQ	26/06/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190626T131249_20190626T131251_T23KMR	26/06/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190626T131249_20190626T131251_T23KNQ	26/06/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190626T131249_20190626T131251_T23KNR	26/06/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190627T133231_20190627T133508_T22JBM	27/06/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200

20190627T133231_20190627T133508_T22JCM	27/06/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190627T133231_20190627T133508_T22JCN	27/06/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190627T133231_20190627T133508_T22JCP	27/06/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190627T133231_20190627T133508_T22JDN	27/06/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190627T133231_20190627T133508_T22JDP	27/06/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190627T133231_20190627T133508_T22JDQ	27/06/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190628T130251_20190628T130252_T23KNQ	28/06/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190628T130251_20190628T130252_T23KNR	28/06/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190629T132239_20190629T132422_T22JDN	29/06/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190629T132239_20190629T132422_T22JDP	29/06/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190629T132239_20190629T132422_T22JDQ	29/06/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190629T132239_20190629T132422_T22JEN	29/06/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190629T132239_20190629T132422_T22JEP	29/06/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190629T132239_20190629T132422_T22JER	29/06/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190629T132239_20190629T132422_T22JES	29/06/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190629T132239_20190629T132422_T22JET	29/06/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190629T132239_20190629T132422_T22JFN	29/06/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190629T132239_20190629T132422_T22JFP	29/06/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20190629T132239_20190629T132422_T22JFQ	29/06/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20190629T132239_20190629T132422_T22JFR	29/06/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20190629T132239_20190629T132422_T22JFS	29/06/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190629T132239_20190629T132422_T22JFT	29/06/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190629T132239_20190629T132422_T22JGQ	29/06/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190629T132239_20190629T132422_T22JGS	29/06/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190629T132239_20190629T132422_T22JGT	29/06/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190629T132239_20190629T132422_T22KEU	29/06/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190629T132239_20190629T132422_T22KFU	29/06/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190629T132239_20190629T132422_T22KFV	29/06/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190629T132239_20190629T132422_T22KGU	29/06/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190630T134221_20190630T134215_T21JYN	30/06/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190630T134221_20190630T134215_T21JZM	30/06/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190630T134221_20190630T134215_T21JZN	30/06/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190630T134221_20190630T134215_T21KZP	30/06/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220

20190630T134221_20190630T134215_T22JBS	30/06/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190630T134221_20190630T134215_T22JBT	30/06/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190630T134221_20190630T134215_T22JCR	30/06/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190630T134221_20190630T134215_T22JCS	30/06/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190630T134221_20190630T134215_T22JCT	30/06/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190630T134221_20190630T134215_T22KBU	30/06/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190630T134221_20190630T134215_T22KCU	30/06/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190701T131251_20190701T131247_T23KLR	01/07/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190701T131251_20190701T131247_T23KMR	01/07/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190701T131251_20190701T131247_T23KNR	01/07/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190704T132241_20190704T132238_T22JDN	04/07/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190704T132241_20190704T132238_T22JDP	04/07/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190704T132241_20190704T132238_T22JDQ	04/07/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190704T132241_20190704T132238_T22JEM	04/07/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190704T132241_20190704T132238_T22JEN	04/07/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190704T132241_20190704T132238_T22JEP	04/07/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190704T132241_20190704T132238_T22JEQ	04/07/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190704T132241_20190704T132238_T22JER	04/07/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190704T132241_20190704T132238_T22JES	04/07/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190704T132241_20190704T132238_T22JFN	04/07/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190704T132241_20190704T132238_T22JFP	04/07/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20190704T132241_20190704T132238_T22JFQ	04/07/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20190704T132241_20190704T132238_T22JFR	04/07/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20190704T132241_20190704T132238_T22JGQ	04/07/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190705T134219_20190705T134219_T21JYL	05/07/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190705T134219_20190705T134219_T21JYM	05/07/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190705T134219_20190705T134219_T21JYN	05/07/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190705T134219_20190705T134219_T21JZM	05/07/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190705T134219_20190705T134219_T21JZN	05/07/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190705T134219_20190705T134219_T21KZP	05/07/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190705T134219_20190705T134219_T22JBR	05/07/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190705T134219_20190705T134219_T22JBS	05/07/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190705T134219_20190705T134219_T22JBT	05/07/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200

20190705T134219_20190705T134219_T22JCR	05/07/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190705T134219_20190705T134219_T22JCS	05/07/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190705T134219_20190705T134219_T22JCT	05/07/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190705T134219_20190705T134219_T22KBU	05/07/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190705T134219_20190705T134219_T22KCU	05/07/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190705T134219_20190705T134950_T21JXH	05/07/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190705T134219_20190705T134950_T21JYH	05/07/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190705T134219_20190705T134950_T21JYL	05/07/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190705T134219_20190705T134950_T21JYM	05/07/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190705T134219_20190705T134950_T22JBM	05/07/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190705T134219_20190705T134950_T22JBN	05/07/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190705T134219_20190705T134950_T22JBP	05/07/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190705T134219_20190705T134950_T22JBQ	05/07/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190705T134219_20190705T134950_T22JBR	05/07/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190705T134219_20190705T134950_T22JCQ	05/07/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190705T134219_20190705T134950_T22JCR	05/07/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190706T131249_20190706T131551_T23KLQ	06/07/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190706T131249_20190706T131551_T23KLR	06/07/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190706T131249_20190706T131551_T23KMQ	06/07/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190706T131249_20190706T131551_T23KMR	06/07/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190706T131249_20190706T131551_T23KNQ	06/07/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190706T131249_20190706T131551_T23KNR	06/07/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190707T133231_20190707T133229_T21JYH	07/07/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190707T133231_20190707T133229_T21JZM	07/07/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190707T133231_20190707T133229_T22JBM	07/07/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190707T133231_20190707T133229_T22JBN	07/07/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190707T133231_20190707T133229_T22JBP	07/07/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190707T133231_20190707T133229_T22JBQ	07/07/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190707T133231_20190707T133229_T22JBR	07/07/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190707T133231_20190707T133229_T22JBS	07/07/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190707T133231_20190707T133229_T22JCM	07/07/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190707T133231_20190707T133229_T22JCN	07/07/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190707T133231_20190707T133229_T22JCP	07/07/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240

20190707T133231_20190707T133229_T22JCQ	07/07/2019	6890200	409800	7000000	300000	7000000	300000	6890200
20190707T133231_20190707T133229_T22JCR	07/07/2019	6990220	409800	7100020	300000	7100020	300000	6990220
20190707T133231_20190707T133229_T22JCS	07/07/2019	7090240	409800	7200040	300000	7200040	300000	7090240
20190707T133231_20190707T133229_T22JCT	07/07/2019	7190200	409800	7300000	300000	7300000	300000	7190200
20190707T133231_20190707T133229_T22JDM	07/07/2019	6590200	509760	6700000	399960	6700000	399960	6590200
20190707T133231_20190707T133229_T22JDN	07/07/2019	6690220	509760	6800020	399960	6800020	399960	6690220
20190707T133231_20190707T133229_T22JDP	07/07/2019	6790240	509760	6900040	399960	6900040	399960	6790240
20190707T133231_20190707T133229_T22JDQ	07/07/2019	6890200	509760	7000000	399960	7000000	399960	6890200
20190707T133231_20190707T133229_T22JDR	07/07/2019	6990220	509760	7100020	399960	7100020	399960	6990220
20190707T133231_20190707T133229_T22JDS	07/07/2019	7090240	509760	7200040	399960	7200040	399960	7090240
20190707T133231_20190707T133229_T22JDT	07/07/2019	7190200	509760	7300000	399960	7300000	399960	7190200
20190707T133231_20190707T133229_T22JEN	07/07/2019	6690220	609780	6800020	499980	6800020	499980	6690220
20190707T133231_20190707T133229_T22JEP	07/07/2019	6790240	609780	6900040	499980	6900040	499980	6790240
20190707T133231_20190707T133229_T22JEQ	07/07/2019	6890200	609780	7000000	499980	7000000	499980	6890200
20190707T133231_20190707T133229_T22JER	07/07/2019	6990220	609780	7100020	499980	7100020	499980	6990220
20190707T133231_20190707T133229_T22JES	07/07/2019	7090240	609780	7200040	499980	7200040	499980	7090240
20190707T133231_20190707T133229_T22JET	07/07/2019	7190200	609780	7300000	499980	7300000	499980	7190200
20190707T133231_20190707T133229_T22JFS	07/07/2019	7090240	709800	7200040	600000	7200040	600000	7090240
20190707T133231_20190707T133229_T22JFT	07/07/2019	7190200	709800	7300000	600000	7300000	600000	7190200
20190707T133231_20190707T133229_T22KCU	07/07/2019	7290220	409800	7400020	300000	7400020	300000	7290220
20190707T133231_20190707T133229_T22KDU	07/07/2019	7390220	509760	7500040	399960	7500040	399960	7390220
20190707T133231_20190707T133229_T22KDV	07/07/2019	7390240	509760	7500040	399960	7500040	399960	7390240
20190707T133231_20190707T133229_T22KEU	07/07/2019	7290220	609780	7400020	499980	7400020	499980	7290220
20190707T133231_20190707T133229_T22KEV	07/07/2019	7390240	609780	7500040	499980	7500040	499980	7390240
20190707T133231_20190707T133229_T22KFU	07/07/2019	7290220	709800	7400020	600000	7400020	600000	7290220
20190707T133231_20190707T133229_T22KFV	07/07/2019	7390240	709800	7500040	600000	7500040	600000	7390240
20190708T130251_20190708T130252_T23KNQ	08/07/2019	7390240	609780	7500040	499980	7500040	499980	7390240
20190708T130251_20190708T130252_T23KNR	08/07/2019	7490200	609780	7600000	499980	7600000	499980	7490200
20190709T132239_20190709T132813_T22JDP	09/07/2019	6790240	509760	6900040	399960	6900040	399960	6790240
20190709T132239_20190709T132813_T22JDQ	09/07/2019	6890200	509760	7000000	399960	7000000	399960	6890200
20190709T132239_20190709T132813_T22JEQ	09/07/2019	6890200	609780	7000000	499980	7000000	499980	6890200
20190709T132239_20190709T132813_T22JET	09/07/2019	7190200	609780	7300000	499980	7300000	499980	7190200
20190709T132239_20190709T132813_T22JFQ	09/07/2019	6890200	709800	7000000	600000	7000000	600000	6890200

20190709T132239_20190709T132813_T22JFR	09/07/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20190709T132239_20190709T132813_T22JFT	09/07/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190709T132239_20190709T132813_T22JGS	09/07/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190709T132239_20190709T132813_T22JGT	09/07/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190709T132239_20190709T132813_T22KEU	09/07/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190709T132239_20190709T132813_T22KFU	09/07/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190709T132239_20190709T132813_T22KFV	09/07/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190709T132239_20190709T132813_T22KGU	09/07/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190710T134221_20190710T134216_T21JYL	10/07/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190710T134221_20190710T134216_T21JYM	10/07/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190710T134221_20190710T134216_T21JYN	10/07/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190710T134221_20190710T134216_T21JZM	10/07/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190710T134221_20190710T134216_T21JZN	10/07/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190710T134221_20190710T134216_T21KZP	10/07/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190710T134221_20190710T134216_T22JBR	10/07/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190710T134221_20190710T134216_T22JBS	10/07/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190710T134221_20190710T134216_T22JBT	10/07/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190710T134221_20190710T134216_T22JCQ	10/07/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190710T134221_20190710T134216_T22JCR	10/07/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190710T134221_20190710T134216_T22JCS	10/07/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190710T134221_20190710T134216_T22JCT	10/07/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190710T134221_20190710T134216_T22KBU	10/07/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190710T134221_20190710T134216_T22KCU	10/07/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190711T131251_20190711T131248_T23KLQ	11/07/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190711T131251_20190711T131248_T23KLR	11/07/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190711T131251_20190711T131248_T23KMQ	11/07/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190711T131251_20190711T131248_T23KMR	11/07/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190711T131251_20190711T131248_T23KNQ	11/07/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190711T131251_20190711T131248_T23KNR	11/07/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190712T133239_20190712T133233_T21JZM	12/07/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190712T133239_20190712T133233_T22JBQ	12/07/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190712T133239_20190712T133233_T22JBR	12/07/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190712T133239_20190712T133233_T22JBS	12/07/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240

20190712T133239_20190712T133233_T22JCR	12/07/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190712T133239_20190712T133233_T22JCS	12/07/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190712T133239_20190712T133233_T22JCT	12/07/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190712T133239_20190712T133233_T22JDR	12/07/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190712T133239_20190712T133233_T22JDS	12/07/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190712T133239_20190712T133233_T22JEQ	12/07/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190712T133239_20190712T133233_T22JER	12/07/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190712T133239_20190712T133233_T22JES	12/07/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190712T133239_20190712T133233_T22JFS	12/07/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190712T133239_20190712T133233_T22JFT	12/07/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190712T133239_20190712T133233_T22KCU	12/07/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190712T133239_20190712T133233_T22KDV	12/07/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190712T133239_20190712T133233_T22KEV	12/07/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190712T133239_20190712T133233_T22KFV	12/07/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190712T133239_20190712T134011_T22JDM	12/07/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20190712T133239_20190712T134011_T22JDN	12/07/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190712T133239_20190712T134011_T22JEN	12/07/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190713T130259_20190713T130715_T23KNQ	13/07/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190713T130259_20190713T130715_T23KNR	13/07/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190714T132241_20190714T132238_T22JES	14/07/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190714T132241_20190714T132238_T22JET	14/07/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190714T132241_20190714T132238_T22JFS	14/07/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190714T132241_20190714T132238_T22JFT	14/07/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190714T132241_20190714T132238_T22KEU	14/07/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190714T132241_20190714T132238_T22KFU	14/07/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190714T132241_20190714T132238_T22KFV	14/07/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190714T132241_20190714T132238_T22KGU	14/07/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190715T134219_20190715T134219_T21JXH	15/07/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190715T134219_20190715T134219_T21JYH	15/07/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190715T134219_20190715T134219_T22JBM	15/07/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190715T134219_20190715T134219_T22JBN	15/07/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190716T131249_20190716T131251_T23KLR	16/07/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190716T131249_20190716T131251_T23KMR	16/07/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200

20190716T131249_20190716T131251_T23KNR	16/07/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190717T133231_20190717T133229_T21JYH	17/07/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190717T133231_20190717T133229_T21JZM	17/07/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190717T133231_20190717T133229_T22JBM	17/07/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190717T133231_20190717T133229_T22JBN	17/07/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190717T133231_20190717T133229_T22JBP	17/07/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190717T133231_20190717T133229_T22JBQ	17/07/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190717T133231_20190717T133229_T22JBR	17/07/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190717T133231_20190717T133229_T22JBS	17/07/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190717T133231_20190717T133229_T22JCM	17/07/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190717T133231_20190717T133229_T22JCN	17/07/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190717T133231_20190717T133229_T22JCP	17/07/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190717T133231_20190717T133229_T22JCQ	17/07/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190717T133231_20190717T133229_T22JCR	17/07/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190717T133231_20190717T133229_T22JCS	17/07/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190717T133231_20190717T133229_T22JCT	17/07/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190717T133231_20190717T133229_T22JDN	17/07/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190717T133231_20190717T133229_T22JDP	17/07/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190717T133231_20190717T133229_T22JDQ	17/07/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190717T133231_20190717T133229_T22JDR	17/07/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190717T133231_20190717T133229_T22JDS	17/07/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190717T133231_20190717T133229_T22JDT	17/07/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190717T133231_20190717T133229_T22JEN	17/07/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190717T133231_20190717T133229_T22JEP	17/07/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190717T133231_20190717T133229_T22JEQ	17/07/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190717T133231_20190717T133229_T22JER	17/07/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190717T133231_20190717T133229_T22JES	17/07/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190717T133231_20190717T133229_T22JET	17/07/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190717T133231_20190717T133229_T22JFS	17/07/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190717T133231_20190717T133229_T22JFT	17/07/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190717T133231_20190717T133229_T22KCU	17/07/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190717T133231_20190717T133229_T22KDU	17/07/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190717T133231_20190717T133229_T22KEU	17/07/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220

20190717T133231_20190717T133229_T22KFU	17/07/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190718T130251_20190718T130252_T23KNR	18/07/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190719T132239_20190719T132241_T22JET	19/07/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190719T132239_20190719T132241_T22JFT	19/07/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190719T132239_20190719T132241_T22KEU	19/07/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190720T134221_20190720T134314_T21JXH	20/07/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190720T134221_20190720T134314_T21JYH	20/07/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190720T134221_20190720T134314_T21JYL	20/07/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190720T134221_20190720T134314_T21JYM	20/07/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190720T134221_20190720T134314_T21JYN	20/07/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190720T134221_20190720T134314_T21JZM	20/07/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190720T134221_20190720T134314_T21JZN	20/07/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190720T134221_20190720T134314_T21KZP	20/07/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190720T134221_20190720T134314_T22JBM	20/07/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190720T134221_20190720T134314_T22JBN	20/07/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190720T134221_20190720T134314_T22JBP	20/07/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190720T134221_20190720T134314_T22JBQ	20/07/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190720T134221_20190720T134314_T22JBR	20/07/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190720T134221_20190720T134314_T22JBS	20/07/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190720T134221_20190720T134314_T22JBT	20/07/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190720T134221_20190720T134314_T22JCQ	20/07/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190720T134221_20190720T134314_T22JCR	20/07/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190720T134221_20190720T134314_T22JCS	20/07/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190720T134221_20190720T134314_T22JCT	20/07/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190720T134221_20190720T134314_T22KBU	20/07/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190721T131251_20190721T131433_T23KLR	21/07/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190721T131251_20190721T131433_T23KMR	21/07/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190722T133239_20190722T133233_T21JZM	22/07/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190722T133239_20190722T133233_T22JBQ	22/07/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190722T133239_20190722T133233_T22JBR	22/07/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190722T133239_20190722T133233_T22JBS	22/07/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190722T133239_20190722T133233_T22JCQ	22/07/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190722T133239_20190722T133233_T22JCR	22/07/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220

20190722T133239_20190722T133233_T22JCS	22/07/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190722T133239_20190722T133233_T22JCT	22/07/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190722T133239_20190722T133233_T22JDP	22/07/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190722T133239_20190722T133233_T22JDQ	22/07/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190722T133239_20190722T133233_T22JDR	22/07/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190722T133239_20190722T133233_T22JDS	22/07/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190722T133239_20190722T133233_T22JEP	22/07/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190722T133239_20190722T133233_T22JEQ	22/07/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190722T133239_20190722T133233_T22JER	22/07/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190722T133239_20190722T133233_T22JFS	22/07/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190722T133239_20190722T133233_T22KDU	22/07/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190723T130259_20190723T130631_T23KNQ	23/07/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190723T130259_20190723T130631_T23KNR	23/07/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190724T132241_20190724T132238_T22JDQ	24/07/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190724T132241_20190724T132238_T22JER	24/07/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190724T132241_20190724T132238_T22JES	24/07/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190724T132241_20190724T132238_T22JET	24/07/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190724T132241_20190724T132238_T22JFS	24/07/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190724T132241_20190724T132238_T22JFT	24/07/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190724T132241_20190724T132238_T22JGS	24/07/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190724T132241_20190724T132238_T22JGT	24/07/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190724T132241_20190724T132238_T22KEU	24/07/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190724T132241_20190724T132238_T22KFU	24/07/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190724T132241_20190724T132238_T22KFV	24/07/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190724T132241_20190724T132238_T22KGU	24/07/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190725T134219_20190725T134639_T22JCT	25/07/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190725T134219_20190725T134639_T22KCU	25/07/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190726T131249_20190726T131251_T23KLQ	26/07/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190726T131249_20190726T131251_T23KLR	26/07/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190726T131249_20190726T131251_T23KMQ	26/07/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190726T131249_20190726T131251_T23KMR	26/07/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190726T131249_20190726T131251_T23KNQ	26/07/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190726T131249_20190726T131251_T23KNR	26/07/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200

20190727T133231_20190727T133229_T22JCT	27/07/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190727T133231_20190727T133229_T22JDS	27/07/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190727T133231_20190727T133229_T22JDT	27/07/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190727T133231_20190727T133229_T22JES	27/07/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190727T133231_20190727T133229_T22JET	27/07/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190727T133231_20190727T133229_T22JFT	27/07/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190727T133231_20190727T133229_T22KCU	27/07/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190727T133231_20190727T133229_T22KDU	27/07/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190727T133231_20190727T133229_T22KDV	27/07/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190727T133231_20190727T133229_T22KEU	27/07/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190727T133231_20190727T133229_T22KEV	27/07/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190727T133231_20190727T133229_T22KFU	27/07/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190727T133231_20190727T133229_T22KFV	27/07/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190728T130251_20190728T130252_T23KNQ	28/07/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190728T130251_20190728T130252_T23KNR	28/07/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190729T132239_20190729T132241_T22JEM	29/07/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190729T132239_20190729T132241_T22JES	29/07/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190729T132239_20190729T132241_T22JET	29/07/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190729T132239_20190729T132241_T22JFR	29/07/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20190729T132239_20190729T132241_T22JFS	29/07/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190729T132239_20190729T132241_T22JGQ	29/07/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190729T132239_20190729T132241_T22KEU	29/07/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190730T134221_20190730T134215_T21JYL	30/07/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190730T134221_20190730T134215_T21JYM	30/07/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190730T134221_20190730T134215_T21JYN	30/07/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190730T134221_20190730T134215_T21JZM	30/07/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190730T134221_20190730T134215_T21JZN	30/07/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190730T134221_20190730T134215_T21KZP	30/07/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190730T134221_20190730T134215_T22JBP	30/07/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190730T134221_20190730T134215_T22JBQ	30/07/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190730T134221_20190730T134215_T22JBR	30/07/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190730T134221_20190730T134215_T22JBS	30/07/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190730T134221_20190730T134215_T22JBT	30/07/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200

20190730T134221_20190730T134215_T22JCQ	30/07/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190730T134221_20190730T134215_T22JCR	30/07/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190730T134221_20190730T134215_T22JCS	30/07/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190730T134221_20190730T134215_T22KBU	30/07/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190731T131251_20190731T131414_T23KLQ	31/07/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190731T131251_20190731T131414_T23KLR	31/07/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190731T131251_20190731T131414_T23KMQ	31/07/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190731T131251_20190731T131414_T23KMR	31/07/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190731T131251_20190731T131414_T23KNQ	31/07/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190731T131251_20190731T131414_T23KNR	31/07/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190801T133229_20190801T133232_T21JZM	01/08/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190801T133229_20190801T133232_T22JBP	01/08/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190801T133229_20190801T133232_T22JBQ	01/08/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190801T133229_20190801T133232_T22JBR	01/08/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190801T133229_20190801T133232_T22JBS	01/08/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190801T133229_20190801T133232_T22JCN	01/08/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190801T133229_20190801T133232_T22JCP	01/08/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190801T133229_20190801T133232_T22JCQ	01/08/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190801T133229_20190801T133232_T22JCR	01/08/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190801T133229_20190801T133232_T22JCS	01/08/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190801T133229_20190801T133232_T22JCT	01/08/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190801T133229_20190801T133232_T22JDN	01/08/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190801T133229_20190801T133232_T22JDP	01/08/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190801T133229_20190801T133232_T22JDQ	01/08/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190801T133229_20190801T133232_T22JDR	01/08/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190801T133229_20190801T133232_T22JDS	01/08/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190801T133229_20190801T133232_T22JDT	01/08/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190801T133229_20190801T133232_T22JEN	01/08/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190801T133229_20190801T133232_T22JEP	01/08/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190801T133229_20190801T133232_T22JEQ	01/08/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190801T133229_20190801T133232_T22JER	01/08/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190801T133229_20190801T133232_T22JES	01/08/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190801T133229_20190801T133232_T22JET	01/08/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200

20190801T133229_20190801T133232_T22JFS	01/08/2019	7090240	709800	7090240	709800	709800	7200040	600000	7200040	600000	7090240
20190801T133229_20190801T133232_T22JFT	01/08/2019	7190200	709800	7190200	709800	709800	7300000	600000	7300000	600000	7190200
20190801T133229_20190801T133232_T22KCU	01/08/2019	7290220	409800	7290220	409800	7290220	7400020	300000	7400020	300000	7290220
20190801T133229_20190801T133232_T22KDU	01/08/2019	7290220	509760	7290220	509760	7290220	7400020	399960	7400020	399960	7290220
20190801T133229_20190801T133232_T22KDV	01/08/2019	7390240	509760	7390240	509760	7390240	7500040	399960	7500040	399960	7390240
20190801T133229_20190801T133232_T22KEU	01/08/2019	7290220	609780	7290220	609780	7290220	7400020	499980	7400020	499980	7290220
20190801T133229_20190801T133232_T22KEV	01/08/2019	7390240	609780	7390240	609780	7390240	7500040	499980	7500040	499980	7390240
20190801T133229_20190801T133232_T22KFU	01/08/2019	7290220	709800	7290220	709800	7290220	7400020	600000	7400020	600000	7290220
20190801T133229_20190801T133232_T22KFV	01/08/2019	7390240	709800	7390240	709800	7390240	7500040	600000	7500040	600000	7390240
20190802T130259_20190802T130428_T23KNQ	02/08/2019	7390240	609780	7390240	609780	7390240	7500040	499980	7500040	499980	7390240
20190802T130259_20190802T130428_T23KNR	02/08/2019	7490200	609780	7490200	609780	7490200	7600000	499980	7600000	499980	7490200
20190803T132241_20190803T132237_T22JET	03/08/2019	7190200	609780	7190200	609780	7190200	7300000	499980	7300000	499980	7190200
20190803T132241_20190803T132237_T22JFT	03/08/2019	7190200	709800	7190200	709800	7190200	7300000	600000	7300000	600000	7190200
20190803T132241_20190803T132237_T22KEU	03/08/2019	7290220	609780	7290220	609780	7290220	7400020	499980	7400020	499980	7290220
20190803T132241_20190803T132910_T22JDN	03/08/2019	6690220	509760	6690220	509760	6690220	6800020	399960	6800020	399960	6690220
20190803T132241_20190803T132910_T22JDP	03/08/2019	6790240	509760	6790240	509760	6790240	6900040	399960	6900040	399960	6790240
20190803T132241_20190803T132910_T22JDQ	03/08/2019	6890200	509760	6890200	509760	6890200	7000000	399960	7000000	399960	6890200
20190803T132241_20190803T132910_T22JEM	03/08/2019	6590200	609780	6590200	609780	6590200	6700000	499980	6700000	499980	6590200
20190803T132241_20190803T132910_T22JEN	03/08/2019	6690220	609780	6690220	609780	6690220	6800020	499980	6800020	499980	6690220
20190803T132241_20190803T132910_T22JEP	03/08/2019	6790240	609780	6790240	609780	6790240	6900040	499980	6900040	499980	6790240
20190803T132241_20190803T132910_T22JEQ	03/08/2019	6890200	609780	6890200	609780	6890200	7000000	499980	7000000	499980	6890200
20190803T132241_20190803T132910_T22JER	03/08/2019	6990220	609780	6990220	609780	6990220	7100020	499980	7100020	499980	6990220
20190803T132241_20190803T132910_T22JES	03/08/2019	7090240	609780	7090240	609780	7090240	7200040	499980	7200040	499980	7090240
20190803T132241_20190803T132910_T22JET	03/08/2019	7190200	609780	7190200	609780	7190200	7300000	499980	7300000	499980	7190200
20190803T132241_20190803T132910_T22JFN	03/08/2019	6690220	709800	6690220	709800	6690220	6800020	600000	6800020	600000	6690220
20190803T132241_20190803T132910_T22JFP	03/08/2019	6790240	709800	6790240	709800	6790240	6900040	600000	6900040	600000	6790240
20190803T132241_20190803T132910_T22JFQ	03/08/2019	6890200	709800	6890200	709800	6890200	7000000	600000	7000000	600000	6890200
20190803T132241_20190803T132910_T22JFR	03/08/2019	6990220	709800	6990220	709800	6990220	7100020	600000	7100020	600000	6990220
20190803T132241_20190803T132910_T22JFS	03/08/2019	7090240	709800	7090240	709800	7090240	7200040	600000	7200040	600000	7090240
20190803T132241_20190803T132910_T22JFT	03/08/2019	7190200	709800	7190200	709800	7190200	7300000	600000	7300000	600000	7190200
20190803T132241_20190803T132910_T22JGQ	03/08/2019	6890200	809760	6890200	809760	6890200	7000000	699960	7000000	699960	6890200
20190803T132241_20190803T132910_T22JGS	03/08/2019	7090240	809760	7090240	809760	7090240	7200040	699960	7200040	699960	7090240
20190803T132241_20190803T132910_T22JGT	03/08/2019	7190200	809760	7190200	809760	7190200	7300000	699960	7300000	699960	7190200

20190803T132241_20190803T132910_T22KEU	03/08/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190803T132241_20190803T132910_T22KFU	03/08/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190804T134219_20190804T134218_T21JYL	04/08/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190804T134219_20190804T134218_T21JYM	04/08/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190804T134219_20190804T134218_T21JYN	04/08/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190804T134219_20190804T134218_T21JZM	04/08/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190804T134219_20190804T134218_T21JZN	04/08/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190804T134219_20190804T134218_T21KZP	04/08/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190804T134219_20190804T134218_T22JBR	04/08/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190804T134219_20190804T134218_T22JBS	04/08/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190804T134219_20190804T134218_T22JBT	04/08/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190804T134219_20190804T134218_T22JCR	04/08/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190804T134219_20190804T134218_T22JCS	04/08/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190804T134219_20190804T134218_T22JCT	04/08/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190804T134219_20190804T134218_T22KBU	04/08/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190804T134219_20190804T134218_T22KCU	04/08/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190804T134219_20190804T134949_T21JXH	04/08/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190804T134219_20190804T134949_T21JYH	04/08/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190804T134219_20190804T134949_T21JYL	04/08/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190804T134219_20190804T134949_T21JYM	04/08/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190804T134219_20190804T134949_T22JBM	04/08/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190804T134219_20190804T134949_T22JBN	04/08/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190804T134219_20190804T134949_T22JBP	04/08/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190804T134219_20190804T134949_T22JBQ	04/08/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190804T134219_20190804T134949_T22JBR	04/08/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190804T134219_20190804T134949_T22JCQ	04/08/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190804T134219_20190804T134949_T22JCR	04/08/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190805T131249_20190805T131630_T23KLQ	05/08/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190806T133231_20190806T133228_T21JYH	06/08/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190806T133231_20190806T133228_T21JZM	06/08/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190806T133231_20190806T133228_T22JBM	06/08/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190806T133231_20190806T133228_T22JBN	06/08/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190806T133231_20190806T133228_T22JBP	06/08/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240

20190806T133231_20190806T133228_T22JBQ	06/08/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190806T133231_20190806T133228_T22JBR	06/08/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190806T133231_20190806T133228_T22JBS	06/08/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190806T133231_20190806T133228_T22JCM	06/08/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190806T133231_20190806T133228_T22JCN	06/08/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190806T133231_20190806T133228_T22JCP	06/08/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190806T133231_20190806T133228_T22JCQ	06/08/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190806T133231_20190806T133228_T22JCR	06/08/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190806T133231_20190806T133228_T22JCS	06/08/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190806T133231_20190806T133228_T22JCT	06/08/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190806T133231_20190806T133228_T22JDM	06/08/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20190806T133231_20190806T133228_T22JDN	06/08/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190806T133231_20190806T133228_T22JDP	06/08/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190806T133231_20190806T133228_T22JDQ	06/08/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190806T133231_20190806T133228_T22JDT	06/08/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190806T133231_20190806T133228_T22JEN	06/08/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190806T133231_20190806T133228_T22JEP	06/08/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190806T133231_20190806T133228_T22JET	06/08/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190806T133231_20190806T133228_T22JFT	06/08/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190806T133231_20190806T133228_T22KCU	06/08/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190806T133231_20190806T133228_T22KDU	06/08/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190806T133231_20190806T133228_T22KDV	06/08/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190806T133231_20190806T133228_T22KEU	06/08/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190806T133231_20190806T133228_T22KFU	06/08/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190807T130251_20190807T130251_T23KNQ	07/08/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190808T132239_20190808T132736_T22JEM	08/08/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190808T132239_20190808T132736_T22JET	08/08/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190808T132239_20190808T132736_T22JFN	08/08/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190808T132239_20190808T132736_T22JFP	08/08/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20190808T132239_20190808T132736_T22JFQ	08/08/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20190808T132239_20190808T132736_T22JFR	08/08/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20190808T132239_20190808T132736_T22JFS	08/08/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190808T132239_20190808T132736_T22JFT	08/08/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200

20190808T132239_20190808T132736_T22JGQ	08/08/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190808T132239_20190808T132736_T22JGT	08/08/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190808T132239_20190808T132736_T22KEU	08/08/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190808T132239_20190808T132736_T22KFU	08/08/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190808T132239_20190808T132736_T22KFV	08/08/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190808T132239_20190808T132736_T22KGU	08/08/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190810T131251_20190810T131246_T23KLQ	10/08/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190810T131251_20190810T131246_T23KLR	10/08/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190810T131251_20190810T131246_T23KMQ	10/08/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190810T131251_20190810T131246_T23KMR	10/08/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190810T131251_20190810T131246_T23KNQ	10/08/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190810T131251_20190810T131246_T23KNR	10/08/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190811T133229_20190811T133231_T21JZM	11/08/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190811T133229_20190811T133231_T22JBR	11/08/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190811T133229_20190811T133231_T22JBS	11/08/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190811T133229_20190811T133231_T22JCQ	11/08/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190811T133229_20190811T133231_T22JCR	11/08/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190811T133229_20190811T133231_T22JCS	11/08/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190811T133229_20190811T133231_T22JCT	11/08/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190811T133229_20190811T133231_T22JDQ	11/08/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190811T133229_20190811T133231_T22JDR	11/08/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190811T133229_20190811T133231_T22JDS	11/08/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190811T133229_20190811T133231_T22JDT	11/08/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190811T133229_20190811T133231_T22JEQ	11/08/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190811T133229_20190811T133231_T22JET	11/08/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190811T133229_20190811T133231_T22JFS	11/08/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190811T133229_20190811T133231_T22JFT	11/08/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190811T133229_20190811T133231_T22KCU	11/08/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190811T133229_20190811T133231_T22KDU	11/08/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190811T133229_20190811T133231_T22KDV	11/08/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190811T133229_20190811T133231_T22KEU	11/08/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190811T133229_20190811T133231_T22KEV	11/08/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190811T133229_20190811T133231_T22KFU	11/08/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220

20190811T133229_20190811T133231_T22KFV	11/08/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190811T133229_20190811T133958_T21JYH	11/08/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190811T133229_20190811T133958_T22JBN	11/08/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190811T133229_20190811T133958_T22JBP	11/08/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190811T133229_20190811T133958_T22JBQ	11/08/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190811T133229_20190811T133958_T22JBR	11/08/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190811T133229_20190811T133958_T22JCN	11/08/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190811T133229_20190811T133958_T22JCP	11/08/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190811T133229_20190811T133958_T22JCQ	11/08/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190811T133229_20190811T133958_T22JCR	11/08/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190811T133229_20190811T133958_T22JDM	11/08/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20190811T133229_20190811T133958_T22JDN	11/08/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190811T133229_20190811T133958_T22JDP	11/08/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190811T133229_20190811T133958_T22JDQ	11/08/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190811T133229_20190811T133958_T22JDR	11/08/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190811T133229_20190811T133958_T22JEN	11/08/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190811T133229_20190811T133958_T22JEP	11/08/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190811T133229_20190811T133958_T22JEQ	11/08/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190812T130259_20190812T130810_T23KNQ	12/08/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190812T130259_20190812T130810_T23KNR	12/08/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190813T132241_20190813T132236_T22JDQ	13/08/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190813T132241_20190813T132236_T22JEP	13/08/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190813T132241_20190813T132236_T22JEQ	13/08/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190813T132241_20190813T132236_T22JER	13/08/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190813T132241_20190813T132236_T22JFN	13/08/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190813T132241_20190813T132236_T22JFP	13/08/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20190813T132241_20190813T132236_T22JFQ	13/08/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20190813T132241_20190813T132236_T22JFR	13/08/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20190813T132241_20190813T132236_T22JGQ	13/08/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190813T132241_20190813T132236_T22KEU	13/08/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190813T132241_20190813T132236_T22KFU	13/08/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190813T132241_20190813T132236_T22KFV	13/08/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190814T134219_20190814T134752_T21JXH	14/08/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220

20190814T134219_20190814T134752_T21JYH	14/08/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190814T134219_20190814T134752_T21JYL	14/08/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190814T134219_20190814T134752_T21JYM	14/08/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190814T134219_20190814T134752_T21JYN	14/08/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190814T134219_20190814T134752_T21JZM	14/08/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190814T134219_20190814T134752_T21JZN	14/08/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190814T134219_20190814T134752_T21KZP	14/08/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190814T134219_20190814T134752_T22JBM	14/08/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190814T134219_20190814T134752_T22JBN	14/08/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190814T134219_20190814T134752_T22JBP	14/08/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190814T134219_20190814T134752_T22JBQ	14/08/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190814T134219_20190814T134752_T22JBR	14/08/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190814T134219_20190814T134752_T22JBS	14/08/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190814T134219_20190814T134752_T22JBT	14/08/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190814T134219_20190814T134752_T22JCQ	14/08/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
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20190814T134219_20190814T134752_T22JCS	14/08/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190814T134219_20190814T134752_T22JCT	14/08/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190814T134219_20190814T134752_T22KBU	14/08/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190814T134219_20190814T134752_T22KCU	14/08/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190815T131249_20190815T131339_T23KLQ	15/08/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190815T131249_20190815T131339_T23KLR	15/08/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190815T131249_20190815T131339_T23KMQ	15/08/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190815T131249_20190815T131339_T23KMR	15/08/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190815T131249_20190815T131339_T23KNR	15/08/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190816T133231_20190816T133227_T22JBN	16/08/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190816T133231_20190816T133227_T22JCN	16/08/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190816T133231_20190816T133227_T22JCQ	16/08/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190816T133231_20190816T133227_T22JCR	16/08/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190816T133231_20190816T133227_T22JCS	16/08/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190816T133231_20190816T133227_T22JCT	16/08/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190816T133231_20190816T133227_T22JDP	16/08/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190816T133231_20190816T133227_T22JDR	16/08/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220

20190816T133231_20190816T133227_T22JDS	16/08/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190816T133231_20190816T133227_T22JDT	16/08/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190816T133231_20190816T133227_T22JEP	16/08/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190816T133231_20190816T133227_T22JET	16/08/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190816T133231_20190816T133227_T22JFS	16/08/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190816T133231_20190816T133227_T22JFT	16/08/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190816T133231_20190816T133227_T22KCU	16/08/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190816T133231_20190816T133227_T22KDU	16/08/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190816T133231_20190816T133227_T22KDV	16/08/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190816T133231_20190816T133227_T22KEU	16/08/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190816T133231_20190816T133227_T22KEV	16/08/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190816T133231_20190816T133227_T22KFU	16/08/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190816T133231_20190816T133227_T22KFV	16/08/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190817T130251_20190817T130250_T23KNQ	17/08/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190817T130251_20190817T130250_T23KNR	17/08/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190819T134211_20190819T134408_T21JXH	19/08/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190819T134211_20190819T134408_T21JYH	19/08/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190819T134211_20190819T134408_T21JYN	19/08/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190819T134211_20190819T134408_T21KZP	19/08/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190819T134211_20190819T134408_T22JBM	19/08/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190819T134211_20190819T134408_T22JBN	19/08/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190819T134211_20190819T134408_T22JBP	19/08/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190819T134211_20190819T134408_T22JBQ	19/08/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190819T134211_20190819T134408_T22JCQ	19/08/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190819T134211_20190819T134408_T22KBU	19/08/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190819T134211_20190819T134408_T22KCU	19/08/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190821T133229_20190821T133229_T21JYH	21/08/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190821T133229_20190821T133229_T21JZM	21/08/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190821T133229_20190821T133229_T22JBM	21/08/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190821T133229_20190821T133229_T22JBN	21/08/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190821T133229_20190821T133229_T22JBP	21/08/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190821T133229_20190821T133229_T22JBR	21/08/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190821T133229_20190821T133229_T22JBS	21/08/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240

20190821T133229_20190821T133229_T22JCM	21/08/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190821T133229_20190821T133229_T22JCN	21/08/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190821T133229_20190821T133229_T22JCR	21/08/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190821T133229_20190821T133229_T22JCS	21/08/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190821T133229_20190821T133229_T22JCT	21/08/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190821T133229_20190821T133229_T22JDN	21/08/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190821T133229_20190821T133229_T22JDR	21/08/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190821T133229_20190821T133229_T22JDS	21/08/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190821T133229_20190821T133229_T22JEN	21/08/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190821T133229_20190821T133229_T22JEP	21/08/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190821T133229_20190821T133229_T22KCU	21/08/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190821T133229_20190821T133229_T22KDU	21/08/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190821T133229_20190821T133229_T22KDV	21/08/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190821T133229_20190821T133229_T22KEU	21/08/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190821T133229_20190821T133229_T22KEV	21/08/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190821T133229_20190821T133229_T22KFV	21/08/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190823T132241_20190823T132235_T22JFN	23/08/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190823T132241_20190823T132235_T22JFP	23/08/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20190823T132241_20190823T132235_T22JGQ	23/08/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190823T132241_20190823T132235_T22JGS	23/08/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190823T132241_20190823T132235_T22KEU	23/08/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190823T132241_20190823T132235_T22KFU	23/08/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190823T132241_20190823T132235_T22KFV	23/08/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190823T132241_20190823T132235_T22KGU	23/08/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190824T134219_20190824T134215_T21JYL	24/08/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190824T134219_20190824T134215_T21JYM	24/08/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190824T134219_20190824T134215_T21JYN	24/08/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190824T134219_20190824T134215_T21JZM	24/08/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190824T134219_20190824T134215_T21JZN	24/08/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190824T134219_20190824T134215_T21KZP	24/08/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190824T134219_20190824T134215_T22JBQ	24/08/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190824T134219_20190824T134215_T22JBR	24/08/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190824T134219_20190824T134215_T22JBS	24/08/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240

20190824T134219_20190824T134215_T22JBT	24/08/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190824T134219_20190824T134215_T22JCQ	24/08/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190824T134219_20190824T134215_T22JCR	24/08/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190824T134219_20190824T134215_T22JCS	24/08/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190824T134219_20190824T134215_T22JCT	24/08/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190824T134219_20190824T134215_T22KBU	24/08/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190824T134219_20190824T134215_T22KCU	24/08/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190824T134219_20190824T135004_T21JXH	24/08/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190824T134219_20190824T135004_T21JYH	24/08/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190824T134219_20190824T135004_T22JBN	24/08/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190824T134219_20190824T135004_T22JBP	24/08/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190824T134219_20190824T135004_T22JBQ	24/08/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190824T134219_20190824T135004_T22JCQ	24/08/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190825T131249_20190825T131247_T23KLR	25/08/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190825T131249_20190825T131247_T23KMR	25/08/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190825T131249_20190825T131247_T23KNR	25/08/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190826T133231_20190826T133226_T22JBS	26/08/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190826T133231_20190826T133226_T22JCS	26/08/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190826T133231_20190826T133226_T22JCT	26/08/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190826T133231_20190826T133226_T22JDS	26/08/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190826T133231_20190826T133226_T22JDT	26/08/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190826T133231_20190826T133226_T22JES	26/08/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190826T133231_20190826T133226_T22JET	26/08/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190826T133231_20190826T133226_T22KCU	26/08/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190826T133231_20190826T133226_T22KDU	26/08/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190826T133231_20190826T133226_T22KDV	26/08/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190826T133231_20190826T133226_T22KEV	26/08/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190826T133231_20190826T133932_T21JZM	26/08/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190826T133231_20190826T133932_T22JBQ	26/08/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190826T133231_20190826T133932_T22JBR	26/08/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190826T133231_20190826T133932_T22JBS	26/08/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190826T133231_20190826T133932_T22JCP	26/08/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190826T133231_20190826T133932_T22JCQ	26/08/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200

20190826T133231_20190826T133932_T22JCR	26/08/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190826T133231_20190826T133932_T22JCS	26/08/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190826T133231_20190826T133932_T22JDN	26/08/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190826T133231_20190826T133932_T22JDP	26/08/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190826T133231_20190826T133932_T22JDQ	26/08/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190826T133231_20190826T133932_T22JDR	26/08/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190826T133231_20190826T133932_T22JDS	26/08/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190826T133231_20190826T133932_T22JEN	26/08/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190826T133231_20190826T133932_T22JEP	26/08/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190826T133231_20190826T133932_T22JEQ	26/08/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190827T130251_20190827T130249_T23KNQ	27/08/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190828T132239_20190828T132704_T22JDN	28/08/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190828T132239_20190828T132704_T22JDP	28/08/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190828T132239_20190828T132704_T22JEM	28/08/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190828T132239_20190828T132704_T22JEN	28/08/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190828T132239_20190828T132704_T22JEP	28/08/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190828T132239_20190828T132704_T22JFN	28/08/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190828T132239_20190828T132704_T22JFP	28/08/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20190828T132239_20190828T132704_T22JGQ	28/08/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190828T132239_20190828T132704_T22KEU	28/08/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190828T132239_20190828T132704_T22KFU	28/08/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190828T132239_20190828T132704_T22KFV	28/08/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190829T134211_20190829T134751_T21JXH	29/08/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190829T134211_20190829T134751_T21JYH	29/08/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190829T134211_20190829T134751_T21JYL	29/08/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190829T134211_20190829T134751_T21JYM	29/08/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190829T134211_20190829T134751_T21JYN	29/08/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190829T134211_20190829T134751_T21JZM	29/08/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190829T134211_20190829T134751_T21JZN	29/08/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190829T134211_20190829T134751_T21KZP	29/08/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190829T134211_20190829T134751_T22JBM	29/08/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190829T134211_20190829T134751_T22JBN	29/08/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190829T134211_20190829T134751_T22JBP	29/08/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240

20190829T134211_20190829T134751_T22JBQ	29/08/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190829T134211_20190829T134751_T22JBR	29/08/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190829T134211_20190829T134751_T22JBS	29/08/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190829T134211_20190829T134751_T22JBT	29/08/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190829T134211_20190829T134751_T22JCQ	29/08/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190829T134211_20190829T134751_T22JCR	29/08/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190829T134211_20190829T134751_T22JCS	29/08/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190829T134211_20190829T134751_T22JCT	29/08/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190829T134211_20190829T134751_T22KBU	29/08/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190829T134211_20190829T134751_T22KCU	29/08/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190830T131241_20190830T131243_T23KLQ	30/08/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190830T131241_20190830T131243_T23KLR	30/08/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190830T131241_20190830T131243_T23KMQ	30/08/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190830T131241_20190830T131243_T23KMR	30/08/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190830T131241_20190830T131243_T23KNQ	30/08/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190830T131241_20190830T131243_T23KNR	30/08/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190831T133229_20190831T133731_T22JET	31/08/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190831T133229_20190831T133731_T22KDU	31/08/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190831T133229_20190831T133731_T22KDV	31/08/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190831T133229_20190831T133731_T22KEU	31/08/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190831T133229_20190831T133731_T22KEV	31/08/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190831T133229_20190831T133731_T22KFU	31/08/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190901T130249_20190901T130315_T23KNR	01/09/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190902T132231_20190902T132233_T22JDN	02/09/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190902T132231_20190902T132233_T22JDP	02/09/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190902T132231_20190902T132233_T22JDQ	02/09/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190902T132231_20190902T132233_T22JEM	02/09/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190902T132231_20190902T132233_T22JEN	02/09/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190902T132231_20190902T132233_T22JFN	02/09/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190903T134219_20190903T134213_T21JXH	03/09/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190903T134219_20190903T134213_T21JYH	03/09/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190903T134219_20190903T134213_T21JYL	03/09/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190903T134219_20190903T134213_T21JYM	03/09/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240

20190903T134219_20190903T134213_T21JZM	03/09/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190903T134219_20190903T134213_T22JBM	03/09/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190903T134219_20190903T134213_T22JBN	03/09/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190903T134219_20190903T134213_T22JBP	03/09/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190903T134219_20190903T134213_T22JBQ	03/09/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190903T134219_20190903T134213_T22JBR	03/09/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190903T134219_20190903T134213_T22JBS	03/09/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190903T134219_20190903T134213_T22JCQ	03/09/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190903T134219_20190903T134213_T22JCR	03/09/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190903T134219_20190903T134213_T22JCS	03/09/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190905T133221_20190905T133224_T22KEV	05/09/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190907T132239_20190907T132235_T22JES	07/09/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190907T132239_20190907T132235_T22JFS	07/09/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190907T132239_20190907T132235_T22JFT	07/09/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190907T132239_20190907T132235_T22KGU	07/09/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190907T132239_20190907T132933_T22JFS	07/09/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190908T134211_20190908T134209_T21JZM	08/09/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190908T134211_20190908T134209_T21JZN	08/09/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190908T134211_20190908T134209_T21KZP	08/09/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190908T134211_20190908T134209_T22JBR	08/09/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190908T134211_20190908T134209_T22JBS	08/09/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190908T134211_20190908T134209_T22JBT	08/09/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190908T134211_20190908T134209_T22JCS	08/09/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190908T134211_20190908T134209_T22JCT	08/09/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190908T134211_20190908T134209_T22KBU	08/09/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190908T134211_20190908T134209_T22KCU	08/09/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190909T131241_20190909T131509_T23KLQ	09/09/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190909T131241_20190909T131509_T23KLR	09/09/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190909T131241_20190909T131509_T23KMQ	09/09/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190909T131241_20190909T131509_T23KMR	09/09/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190909T131241_20190909T131509_T23KNQ	09/09/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190909T131241_20190909T131509_T23KNR	09/09/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190910T133229_20190910T133239_T22KCU	10/09/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220

20190912T132231_20190912T132231_T22JER	12/09/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190912T132231_20190912T132231_T22JES	12/09/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190912T132231_20190912T132231_T22JET	12/09/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190912T132231_20190912T132231_T22JFQ	12/09/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20190912T132231_20190912T132231_T22JFR	12/09/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20190912T132231_20190912T132231_T22JFS	12/09/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190912T132231_20190912T132231_T22JFT	12/09/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190912T132231_20190912T132231_T22JGT	12/09/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190912T132231_20190912T132231_T22KEU	12/09/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190912T132231_20190912T132231_T22KFU	12/09/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190912T132231_20190912T132231_T22KFV	12/09/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190912T132231_20190912T132231_T22KGU	12/09/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20190913T134209_20190913T134823_T21JXH	13/09/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190913T134209_20190913T134823_T21JYM	13/09/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190913T134209_20190913T134823_T21KZP	13/09/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190913T134209_20190913T134823_T22JBP	13/09/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190913T134209_20190913T134823_T22KBU	13/09/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190913T134209_20190913T134823_T22KCU	13/09/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190914T131249_20190914T131641_T23KLQ	14/09/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190914T131249_20190914T131641_T23KLR	14/09/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190914T131249_20190914T131641_T23KMR	14/09/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190914T131249_20190914T131641_T23KNR	14/09/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190915T133221_20190915T133223_T21JYH	15/09/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190915T133221_20190915T133223_T21JZM	15/09/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190915T133221_20190915T133223_T22JBM	15/09/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190915T133221_20190915T133223_T22JBN	15/09/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190915T133221_20190915T133223_T22JBP	15/09/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190915T133221_20190915T133223_T22JBQ	15/09/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190915T133221_20190915T133223_T22JBR	15/09/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190915T133221_20190915T133223_T22JBS	15/09/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190915T133221_20190915T133223_T22JCM	15/09/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190915T133221_20190915T133223_T22JCN	15/09/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190915T133221_20190915T133223_T22JCP	15/09/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240

20190915T133221_20190915T133223_T22JCQ	15/09/2019	6890200	409800	7000000	300000	7000000	300000	6890200
20190915T133221_20190915T133223_T22JCR	15/09/2019	6990220	409800	7100020	300000	7100020	300000	6990220
20190915T133221_20190915T133223_T22JCS	15/09/2019	7090240	409800	7200040	300000	7200040	300000	7090240
20190915T133221_20190915T133223_T22JDM	15/09/2019	6590200	509760	6700000	399960	6700000	399960	6590200
20190915T133221_20190915T133223_T22JDN	15/09/2019	6690220	509760	6800020	399960	6800020	399960	6690220
20190915T133221_20190915T133223_T22JDP	15/09/2019	6790240	509760	6900040	399960	6900040	399960	6790240
20190915T133221_20190915T133223_T22JDQ	15/09/2019	6890200	509760	7000000	399960	7000000	399960	6890200
20190915T133221_20190915T133223_T22JDR	15/09/2019	6990220	509760	7100020	399960	7100020	399960	6990220
20190915T133221_20190915T133223_T22JDS	15/09/2019	7090240	509760	7200040	399960	7200040	399960	7090240
20190915T133221_20190915T133223_T22JEN	15/09/2019	6690220	609780	6800020	499980	6800020	499980	6690220
20190915T133221_20190915T133223_T22JEP	15/09/2019	6790240	609780	6900040	499980	6900040	499980	6790240
20190915T133221_20190915T133223_T22JEQ	15/09/2019	6890200	609780	7000000	499980	7000000	499980	6890200
20190915T133221_20190915T133223_T22JES	15/09/2019	7090240	609780	7200040	499980	7200040	499980	7090240
20190915T133221_20190915T133223_T22JET	15/09/2019	7190200	609780	7300000	499980	7300000	499980	7190200
20190915T133221_20190915T133223_T22JFS	15/09/2019	7090240	709800	7200040	600000	7200040	600000	7090240
20190915T133221_20190915T133223_T22JFT	15/09/2019	7190200	709800	7300000	600000	7300000	600000	7190200
20190915T133221_20190915T133223_T22KDU	15/09/2019	7290220	509760	7400020	399960	7400020	399960	7290220
20190915T133221_20190915T133223_T22KDV	15/09/2019	7390240	509760	7500040	399960	7500040	399960	7390240
20190915T133221_20190915T133223_T22KEU	15/09/2019	7290220	609780	7400020	499980	7400020	499980	7290220
20190915T133221_20190915T133223_T22KEV	15/09/2019	7390240	609780	7500040	499980	7500040	499980	7390240
20190915T133221_20190915T133223_T22KFU	15/09/2019	7290220	709800	7400020	600000	7400020	600000	7290220
20190915T133221_20190915T133223_T22KFV	15/09/2019	7390240	709800	7500040	600000	7500040	600000	7390240
20190916T130251_20190916T130246_T23KNQ	16/09/2019	7390240	609780	7500040	499980	7500040	499980	7390240
20190916T130251_20190916T130246_T23KNR	16/09/2019	7490200	609780	7600000	499980	7600000	499980	7490200
20190917T132229_20190917T132232_T22JDQ	17/09/2019	6890200	509760	7000000	399960	7000000	399960	6890200
20190917T132229_20190917T132232_T22JES	17/09/2019	7090240	609780	7200040	499980	7200040	499980	7090240
20190917T132229_20190917T132232_T22JET	17/09/2019	7190200	609780	7300000	499980	7300000	499980	7190200
20190917T132229_20190917T132232_T22JFS	17/09/2019	7090240	709800	7200040	600000	7200040	600000	7090240
20190917T132229_20190917T132232_T22JFT	17/09/2019	7190200	709800	7300000	600000	7300000	600000	7190200
20190917T132229_20190917T132232_T22KEU	17/09/2019	7290220	609780	7400020	499980	7400020	499980	7290220
20190917T132229_20190917T132232_T22KFU	17/09/2019	7290220	709800	7400020	600000	7400020	600000	7290220
20190917T132229_20190917T132232_T22KFV	17/09/2019	7390240	709800	7500040	600000	7500040	600000	7390240
20190917T132229_20190917T132232_T22KGU	17/09/2019	7290220	809760	7400020	699960	7400020	699960	7290220

20190918T134211_20190918T134210_T21JXH	18/09/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190919T131241_20190919T131242_T23KLQ	19/09/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190919T131241_20190919T131242_T23KLR	19/09/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190919T131241_20190919T131242_T23KMQ	19/09/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190919T131241_20190919T131242_T23KMR	19/09/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190919T131241_20190919T131242_T23KNR	19/09/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20190920T133229_20190920T133708_T21JYH	20/09/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190920T133229_20190920T133708_T22JBN	20/09/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190920T133229_20190920T133708_T22JBQ	20/09/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190920T133229_20190920T133708_T22JCM	20/09/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190920T133229_20190920T133708_T22JDM	20/09/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20190922T132231_20190922T132233_T22JDN	22/09/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190922T132231_20190922T132233_T22JDP	22/09/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190922T132231_20190922T132233_T22JDQ	22/09/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190922T132231_20190922T132233_T22JEM	22/09/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190922T132231_20190922T132233_T22JEN	22/09/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190922T132231_20190922T132233_T22JEP	22/09/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190922T132231_20190922T132233_T22JEQ	22/09/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190922T132231_20190922T132233_T22JER	22/09/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190922T132231_20190922T132233_T22JFN	22/09/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190922T132231_20190922T132233_T22JFP	22/09/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20190922T132231_20190922T132233_T22JFQ	22/09/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20190922T132231_20190922T132233_T22JGQ	22/09/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190922T132231_20190922T132233_T22KFV	22/09/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190923T134209_20190923T134221_T21JXH	23/09/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190923T134209_20190923T134221_T21JYH	23/09/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190923T134209_20190923T134221_T21JYL	23/09/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190923T134209_20190923T134221_T21JYM	23/09/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190923T134209_20190923T134221_T21JYN	23/09/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190923T134209_20190923T134221_T21JZM	23/09/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190923T134209_20190923T134221_T21JZN	23/09/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190923T134209_20190923T134221_T21KZP	23/09/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190923T134209_20190923T134221_T22JBM	23/09/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200

20190923T134209_20190923T134221_T22JBN	23/09/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190923T134209_20190923T134221_T22JBP	23/09/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190923T134209_20190923T134221_T22JBQ	23/09/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190923T134209_20190923T134221_T22JBR	23/09/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190923T134209_20190923T134221_T22JBS	23/09/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190923T134209_20190923T134221_T22JBT	23/09/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20190923T134209_20190923T134221_T22JCQ	23/09/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190923T134209_20190923T134221_T22JCR	23/09/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190923T134209_20190923T134221_T22JCS	23/09/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190923T134209_20190923T134221_T22JCT	23/09/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190923T134209_20190923T134221_T22KBU	23/09/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190923T134209_20190923T134221_T22KCU	23/09/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190924T131239_20190924T131242_T23KLR	24/09/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190924T131239_20190924T131242_T23KMQ	24/09/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190924T131239_20190924T131242_T23KMR	24/09/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20190924T131239_20190924T131242_T23KNQ	24/09/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190925T133231_20190925T133540_T21JYH	25/09/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190925T133231_20190925T133540_T22JBM	25/09/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190925T133231_20190925T133540_T22JBN	25/09/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190925T133231_20190925T133540_T22JBP	25/09/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190925T133231_20190925T133540_T22JBQ	25/09/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190925T133231_20190925T133540_T22JCM	25/09/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190925T133231_20190925T133540_T22JCN	25/09/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190925T133231_20190925T133540_T22JCP	25/09/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190925T133231_20190925T133540_T22JCQ	25/09/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190925T133231_20190925T133540_T22JDM	25/09/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20190925T133231_20190925T133540_T22JDN	25/09/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190925T133231_20190925T133540_T22JDP	25/09/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190925T133231_20190925T133540_T22JDQ	25/09/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190925T133231_20190925T133540_T22JEN	25/09/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190925T133231_20190925T133540_T22JEP	25/09/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190927T132239_20190927T132454_T22JDN	27/09/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190927T132239_20190927T132454_T22JDP	27/09/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240

20190927T132239_20190927T132454_T22JDQ	27/09/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190927T132239_20190927T132454_T22JEM	27/09/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20190927T132239_20190927T132454_T22JEN	27/09/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190927T132239_20190927T132454_T22JEP	27/09/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190927T132239_20190927T132454_T22JEQ	27/09/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20190927T132239_20190927T132454_T22JER	27/09/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20190927T132239_20190927T132454_T22JES	27/09/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20190927T132239_20190927T132454_T22JET	27/09/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190927T132239_20190927T132454_T22JFN	27/09/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190927T132239_20190927T132454_T22JFQ	27/09/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20190927T132239_20190927T132454_T22JFR	27/09/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20190927T132239_20190927T132454_T22JFS	27/09/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190927T132239_20190927T132454_T22JFT	27/09/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190927T132239_20190927T132454_T22JGQ	27/09/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20190927T132239_20190927T132454_T22JGS	27/09/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190927T132239_20190927T132454_T22KEU	27/09/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190927T132239_20190927T132454_T22KFU	27/09/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190927T132239_20190927T132454_T22KFV	27/09/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20190928T134211_20190928T134212_T21JXH	28/09/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20190928T134211_20190928T134212_T21JYH	28/09/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190928T134211_20190928T134212_T21JYL	28/09/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20190928T134211_20190928T134212_T21JYM	28/09/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20190928T134211_20190928T134212_T21JYN	28/09/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20190928T134211_20190928T134212_T21JZM	28/09/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190928T134211_20190928T134212_T21JZN	28/09/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20190928T134211_20190928T134212_T21KZP	28/09/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20190928T134211_20190928T134212_T22JBM	28/09/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190928T134211_20190928T134212_T22JBN	28/09/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190928T134211_20190928T134212_T22JBP	28/09/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190928T134211_20190928T134212_T22JBQ	28/09/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190928T134211_20190928T134212_T22JBR	28/09/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190928T134211_20190928T134212_T22JBS	28/09/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190928T134211_20190928T134212_T22JBT	28/09/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200

20190928T134211_20190928T134212_T22JCQ	28/09/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190928T134211_20190928T134212_T22JCR	28/09/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190928T134211_20190928T134212_T22JCS	28/09/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190928T134211_20190928T134212_T22JCT	28/09/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190928T134211_20190928T134212_T22KBU	28/09/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20190928T134211_20190928T134212_T22KCU	28/09/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190929T131241_20190929T131244_T23KLQ	29/09/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20190929T131241_20190929T131244_T23KLR	29/09/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20190930T133229_20190930T133239_T21JYH	30/09/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20190930T133229_20190930T133239_T21JZM	30/09/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20190930T133229_20190930T133239_T22JBM	30/09/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20190930T133229_20190930T133239_T22JBN	30/09/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20190930T133229_20190930T133239_T22JBP	30/09/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20190930T133229_20190930T133239_T22JBQ	30/09/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20190930T133229_20190930T133239_T22JBR	30/09/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20190930T133229_20190930T133239_T22JBS	30/09/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20190930T133229_20190930T133239_T22JCM	30/09/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20190930T133229_20190930T133239_T22JCN	30/09/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20190930T133229_20190930T133239_T22JCP	30/09/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20190930T133229_20190930T133239_T22JCQ	30/09/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20190930T133229_20190930T133239_T22JCR	30/09/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20190930T133229_20190930T133239_T22JCS	30/09/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20190930T133229_20190930T133239_T22JCT	30/09/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20190930T133229_20190930T133239_T22JDM	30/09/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20190930T133229_20190930T133239_T22JDN	30/09/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20190930T133229_20190930T133239_T22JDP	30/09/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20190930T133229_20190930T133239_T22JDQ	30/09/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20190930T133229_20190930T133239_T22JDR	30/09/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20190930T133229_20190930T133239_T22JDS	30/09/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20190930T133229_20190930T133239_T22JDT	30/09/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20190930T133229_20190930T133239_T22JEN	30/09/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20190930T133229_20190930T133239_T22JEP	30/09/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20190930T133229_20190930T133239_T22JES	30/09/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240

20190930T133229_20190930T133239_T22JET	30/09/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20190930T133229_20190930T133239_T22JFS	30/09/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20190930T133229_20190930T133239_T22JFT	30/09/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20190930T133229_20190930T133239_T22KCU	30/09/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20190930T133229_20190930T133239_T22KDU	30/09/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20190930T133229_20190930T133239_T22KDV	30/09/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20190930T133229_20190930T133239_T22KEU	30/09/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20190930T133229_20190930T133239_T22KEV	30/09/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20190930T133229_20190930T133239_T22KFU	30/09/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20190930T133229_20190930T133239_T22KFV	30/09/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20191001T130249_20191001T130247_T23KNQ	01/10/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191001T130249_20191001T130247_T23KNR	01/10/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20191003T134209_20191003T134211_T21KZP	03/10/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20191003T134209_20191003T134211_T22JCT	03/10/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20191003T134209_20191003T134211_T22KBU	03/10/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20191003T134209_20191003T134211_T22KCU	03/10/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191004T131249_20191004T131623_T23KLQ	04/10/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20191004T131249_20191004T131623_T23KLR	04/10/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20191004T131249_20191004T131623_T23KMQ	04/10/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20191004T131249_20191004T131623_T23KMR	04/10/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20191004T131249_20191004T131623_T23KNQ	04/10/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191004T131249_20191004T131623_T23KNR	04/10/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20191005T133231_20191005T133227_T22JET	05/10/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20191005T133231_20191005T133227_T22JFS	05/10/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20191005T133231_20191005T133227_T22JFT	05/10/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20191005T133231_20191005T133227_T22KDU	05/10/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20191005T133231_20191005T133227_T22KDV	05/10/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20191005T133231_20191005T133227_T22KEU	05/10/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20191005T133231_20191005T133227_T22KEV	05/10/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191005T133231_20191005T133227_T22KFU	05/10/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20191005T133231_20191005T133227_T22KFV	05/10/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20191006T130251_20191006T130250_T23KNR	06/10/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20191007T132239_20191007T132234_T22JDN	07/10/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220

20191007T132239_20191007T132234_T22JEM	07/10/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20191008T134211_20191008T134213_T21JXH	08/10/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20191008T134211_20191008T134213_T21JYH	08/10/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20191008T134211_20191008T134213_T21KZP	08/10/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20191008T134211_20191008T134213_T22JBM	08/10/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20191008T134211_20191008T134213_T22JBN	08/10/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20191008T134211_20191008T134213_T22JBP	08/10/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
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20191008T134211_20191008T134213_T22KBU	08/10/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20191008T134211_20191008T134213_T22KCU	08/10/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191010T133229_20191010T133225_T21JZM	10/10/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191010T133229_20191010T133225_T22JBR	10/10/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191010T133229_20191010T133225_T22JBS	10/10/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20191010T133229_20191010T133225_T22JQC	10/10/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20191010T133229_20191010T133225_T22JCR	10/10/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191010T133229_20191010T133225_T22JCS	10/10/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20191010T133229_20191010T133225_T22JCT	10/10/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20191010T133229_20191010T133225_T22JDQ	10/10/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20191010T133229_20191010T133225_T22JDR	10/10/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20191010T133229_20191010T133225_T22JDS	10/10/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20191010T133229_20191010T133225_T22JDT	10/10/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20191010T133229_20191010T133225_T22JEQ	10/10/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20191010T133229_20191010T133225_T22JER	10/10/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20191010T133229_20191010T133225_T22JES	10/10/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20191010T133229_20191010T133225_T22JET	10/10/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20191010T133229_20191010T133225_T22JFS	10/10/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20191010T133229_20191010T133225_T22JFT	10/10/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20191010T133229_20191010T133225_T22KCU	10/10/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191010T133229_20191010T133225_T22KDU	10/10/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20191010T133229_20191010T133225_T22KDV	10/10/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20191010T133229_20191010T133225_T22KEU	10/10/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20191010T133229_20191010T133225_T22KEV	10/10/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191010T133229_20191010T133225_T22KFU	10/10/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220

20191010T133229_20191010T133225_T22KFV	10/10/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20191010T133229_20191010T133952_T21JYH	10/10/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20191010T133229_20191010T133952_T22JBM	10/10/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20191010T133229_20191010T133952_T22JBP	10/10/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20191010T133229_20191010T133952_T22JBQ	10/10/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20191010T133229_20191010T133952_T22JBR	10/10/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191010T133229_20191010T133952_T22JCP	10/10/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20191010T133229_20191010T133952_T22JCQ	10/10/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20191010T133229_20191010T133952_T22JCR	10/10/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191010T133229_20191010T133952_T22JDN	10/10/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20191010T133229_20191010T133952_T22JDP	10/10/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20191010T133229_20191010T133952_T22JDQ	10/10/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20191010T133229_20191010T133952_T22JDR	10/10/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20191010T133229_20191010T133952_T22JEP	10/10/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20191010T133229_20191010T133952_T22JEQ	10/10/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20191011T130249_20191011T130248_T23KNQ	11/10/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191012T132241_20191012T132236_T22JDN	12/10/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20191012T132241_20191012T132236_T22JDP	12/10/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20191012T132241_20191012T132236_T22JDQ	12/10/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20191012T132241_20191012T132236_T22JEM	12/10/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20191012T132241_20191012T132236_T22JEN	12/10/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20191012T132241_20191012T132236_T22JEP	12/10/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
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20191012T132241_20191012T132236_T22JER	12/10/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20191012T132241_20191012T132236_T22JES	12/10/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20191012T132241_20191012T132236_T22JET	12/10/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20191012T132241_20191012T132236_T22JFN	12/10/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20191012T132241_20191012T132236_T22JFP	12/10/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20191012T132241_20191012T132236_T22JFQ	12/10/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20191012T132241_20191012T132236_T22JFR	12/10/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20191012T132241_20191012T132236_T22JFS	12/10/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20191012T132241_20191012T132236_T22JFT	12/10/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20191012T132241_20191012T132236_T22JGQ	12/10/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200

20191012T132241_20191012T132236_T22JGT	12/10/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20191012T132241_20191012T132236_T22KEU	12/10/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20191012T132241_20191012T132236_T22KFU	12/10/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20191012T132241_20191012T132236_T22KFV	12/10/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20191012T132241_20191012T132236_T22KGU	12/10/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20191013T134209_20191013T134556_T21JYH	13/10/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20191013T134209_20191013T134556_T21JYL	13/10/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20191013T134209_20191013T134556_T21JYN	13/10/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20191013T134209_20191013T134556_T21JZM	13/10/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191013T134209_20191013T134556_T21JZN	13/10/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20191013T134209_20191013T134556_T21KZP	13/10/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20191013T134209_20191013T134556_T22JBN	13/10/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20191013T134209_20191013T134556_T22JBP	13/10/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20191013T134209_20191013T134556_T22JBQ	13/10/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20191013T134209_20191013T134556_T22JBR	13/10/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191013T134209_20191013T134556_T22JBS	13/10/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20191013T134209_20191013T134556_T22JBT	13/10/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20191013T134209_20191013T134556_T22JCQ	13/10/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20191013T134209_20191013T134556_T22JCR	13/10/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191013T134209_20191013T134556_T22JCS	13/10/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20191013T134209_20191013T134556_T22JCT	13/10/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20191013T134209_20191013T134556_T22KBU	13/10/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20191013T134209_20191013T134556_T22KCU	13/10/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191014T131249_20191014T131244_T23KLQ	14/10/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20191014T131249_20191014T131244_T23KLR	14/10/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20191014T131249_20191014T131244_T23KMQ	14/10/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20191014T131249_20191014T131244_T23KMR	14/10/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
20191014T131249_20191014T131244_T23KNQ	14/10/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191014T131249_20191014T131244_T23KNR	14/10/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20191015T133231_20191015T133227_T22KDV	15/10/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20191015T133231_20191015T133227_T22KEV	15/10/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191017T132239_20191017T132234_T22JET	17/10/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20191017T132239_20191017T132234_T22KEU	17/10/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220

20191017T132239_20191017T132234_T22KFU	17/10/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20191017T132239_20191017T132234_T22KFV	17/10/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20191018T134211_20191018T134851_T21JZN	18/10/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20191018T134211_20191018T134851_T21KZP	18/10/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20191018T134211_20191018T134851_T22JBT	18/10/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20191018T134211_20191018T134851_T22JCT	18/10/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20191018T134211_20191018T134851_T22KBU	18/10/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20191018T134211_20191018T134851_T22KCU	18/10/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191020T133229_20191020T133225_T22JDR	20/10/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20191020T133229_20191020T133225_T22JER	20/10/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20191020T133229_20191020T133225_T22JFS	20/10/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20191020T133229_20191020T133225_T22KEV	20/10/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191020T133229_20191020T133225_T22KFV	20/10/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20191022T132241_20191022T132236_T22JDQ	22/10/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20191022T132241_20191022T132236_T22JEQ	22/10/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20191022T132241_20191022T132236_T22JER	22/10/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20191022T132241_20191022T132236_T22JFQ	22/10/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20191022T132241_20191022T132236_T22JFR	22/10/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20191022T132241_20191022T132236_T22JGQ	22/10/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20191023T134209_20191023T134211_T21JXH	23/10/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20191023T134209_20191023T134211_T21JYH	23/10/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20191023T134209_20191023T134211_T21JYL	23/10/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20191023T134209_20191023T134211_T21JYM	23/10/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20191023T134209_20191023T134211_T21JYN	23/10/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20191023T134209_20191023T134211_T21JZM	23/10/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191023T134209_20191023T134211_T21JZN	23/10/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20191023T134209_20191023T134211_T21KZP	23/10/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20191023T134209_20191023T134211_T22JBM	23/10/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20191023T134209_20191023T134211_T22JBN	23/10/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20191023T134209_20191023T134211_T22JBP	23/10/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20191023T134209_20191023T134211_T22JBR	23/10/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191023T134209_20191023T134211_T22JBS	23/10/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20191023T134209_20191023T134211_T22JBT	23/10/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200

20191023T134209_20191023T134211_T22JCQ	23/10/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
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20191023T134209_20191023T134211_T22JCS	23/10/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20191023T134209_20191023T134211_T22JCT	23/10/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20191023T134209_20191023T134211_T22KBU	23/10/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20191023T134209_20191023T134211_T22KCU	23/10/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
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20191024T131249_20191024T131243_T23KMQ	24/10/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20191024T131249_20191024T131243_T23KNQ	24/10/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191025T133231_20191025T133228_T21JYH	25/10/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20191025T133231_20191025T133228_T21JZM	25/10/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191025T133231_20191025T133228_T22JBM	25/10/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20191025T133231_20191025T133228_T22JBN	25/10/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20191025T133231_20191025T133228_T22JBP	25/10/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20191025T133231_20191025T133228_T22JBQ	25/10/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20191025T133231_20191025T133228_T22JBR	25/10/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191025T133231_20191025T133228_T22JBS	25/10/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20191025T133231_20191025T133228_T22JCM	25/10/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20191025T133231_20191025T133228_T22JCN	25/10/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20191025T133231_20191025T133228_T22JCP	25/10/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20191025T133231_20191025T133228_T22JCQ	25/10/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20191025T133231_20191025T133228_T22JCR	25/10/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191025T133231_20191025T133228_T22JCS	25/10/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20191025T133231_20191025T133228_T22JCT	25/10/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20191025T133231_20191025T133228_T22JDM	25/10/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20191025T133231_20191025T133228_T22JDN	25/10/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20191025T133231_20191025T133228_T22JDP	25/10/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20191025T133231_20191025T133228_T22JDQ	25/10/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20191025T133231_20191025T133228_T22JDR	25/10/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20191025T133231_20191025T133228_T22JDS	25/10/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20191025T133231_20191025T133228_T22JDT	25/10/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20191025T133231_20191025T133228_T22JEN	25/10/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20191025T133231_20191025T133228_T22JEP	25/10/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240

20191025T133231_20191025T133228_T22JEQ	25/10/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20191025T133231_20191025T133228_T22JER	25/10/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20191025T133231_20191025T133228_T22JES	25/10/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20191025T133231_20191025T133228_T22JET	25/10/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20191025T133231_20191025T133228_T22JFS	25/10/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20191025T133231_20191025T133228_T22JFT	25/10/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20191025T133231_20191025T133228_T22KCU	25/10/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191025T133231_20191025T133228_T22KDU	25/10/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20191025T133231_20191025T133228_T22KDV	25/10/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20191025T133231_20191025T133228_T22KEU	25/10/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20191025T133231_20191025T133228_T22KEV	25/10/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191025T133231_20191025T133228_T22KFU	25/10/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20191025T133231_20191025T133228_T22KFV	25/10/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20191027T132239_20191027T132415_T22JET	27/10/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20191027T132239_20191027T132415_T22JGT	27/10/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20191027T132239_20191027T132415_T22KEU	27/10/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20191027T132239_20191027T132415_T22KFU	27/10/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20191027T132239_20191027T132415_T22KFV	27/10/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20191027T132239_20191027T132415_T22KGU	27/10/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20191028T134211_20191028T134214_T21JXH	28/10/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20191028T134211_20191028T134214_T21JYH	28/10/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20191028T134211_20191028T134214_T21KZP	28/10/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20191028T134211_20191028T134214_T22JBM	28/10/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20191028T134211_20191028T134214_T22KBU	28/10/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20191029T131251_20191029T131246_T23KMQ	29/10/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20191029T131251_20191029T131246_T23KNQ	29/10/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191030T133229_20191030T133225_T22JET	30/10/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20191030T133229_20191030T133225_T22JFT	30/10/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20191030T133229_20191030T133225_T22KCU	30/10/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191030T133229_20191030T133225_T22KDU	30/10/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20191030T133229_20191030T133225_T22KDV	30/10/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20191030T133229_20191030T133225_T22KEU	30/10/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220

20191030T133229_20191030T133225_T22KEV	30/10/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191030T133229_20191030T133225_T22KFU	30/10/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20191030T133229_20191030T133225_T22KFV	30/10/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
2019101T132241_2019101T132236_T22KEU	01/11/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
2019101T132241_2019101T132236_T22KFU	01/11/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
2019101T132241_2019101T132236_T22KFV	01/11/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
2019102T134209_2019102T134211_T21JYL	02/11/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
2019102T134209_2019102T134211_T21JYN	02/11/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
2019102T134209_2019102T134211_T21JZN	02/11/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
2019102T134209_2019102T134211_T21KZP	02/11/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
2019102T134209_2019102T134211_T22JBR	02/11/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
2019102T134209_2019102T134211_T22JBT	02/11/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
2019102T134209_2019102T134211_T22JCR	02/11/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
2019102T134209_2019102T134211_T22JCS	02/11/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
2019102T134209_2019102T134211_T22JCT	02/11/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
2019102T134209_2019102T134211_T22KBU	02/11/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
2019102T134209_2019102T134211_T22KCU	02/11/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
2019102T134209_2019102T134938_T21JYM	02/11/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
2019103T131249_2019103T131540_T23KLQ	03/11/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
2019103T131249_2019103T131540_T23KLR	03/11/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
2019103T131249_2019103T131540_T23KMQ	03/11/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
2019103T131249_2019103T131540_T23KMR	03/11/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200
2019103T131249_2019103T131540_T23KNQ	03/11/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
2019103T131249_2019103T131540_T23KNR	03/11/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
2019104T133231_2019104T133227_T22JCT	04/11/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
2019104T133231_2019104T133227_T22JET	04/11/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
2019104T133231_2019104T133227_T22JFS	04/11/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
2019104T133231_2019104T133227_T22JFT	04/11/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
2019104T133231_2019104T133227_T22KCU	04/11/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
2019104T133231_2019104T133227_T22KDU	04/11/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
2019104T133231_2019104T133227_T22KDV	04/11/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
2019104T133231_2019104T133227_T22KEU	04/11/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
2019104T133231_2019104T133227_T22KEV	04/11/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240

20191104T133231_20191104T133227_T22KFU	04/11/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20191104T133231_20191104T133227_T22KFV	04/11/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20191106T132239_20191106T132515_T22JDN	06/11/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20191106T132239_20191106T132515_T22JEM	06/11/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20191106T132239_20191106T132515_T22JEN	06/11/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20191106T132239_20191106T132515_T22JFN	06/11/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20191107T134211_20191107T134213_T21JXH	07/11/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20191109T133229_20191109T133224_T21JZM	09/11/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191109T133229_20191109T133224_T22JBS	09/11/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20191109T133229_20191109T133224_T22JQC	09/11/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20191109T133229_20191109T133224_T22JCR	09/11/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191109T133229_20191109T133224_T22JCS	09/11/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20191109T133229_20191109T133224_T22JCT	09/11/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20191109T133229_20191109T133224_T22JDQ	09/11/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20191109T133229_20191109T133224_T22JDT	09/11/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20191109T133229_20191109T133224_T22KCU	09/11/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191109T133229_20191109T133224_T22KDU	09/11/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20191109T133229_20191109T133224_T22KDV	09/11/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20191109T133229_20191109T133224_T22KEV	09/11/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191109T133229_20191109T133951_T22JBR	09/11/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191109T133229_20191109T133951_T22JDP	09/11/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20191109T133229_20191109T133951_T22JDQ	09/11/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20191109T133229_20191109T133951_T22JDR	09/11/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20191109T133229_20191109T133951_T22JEP	09/11/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20191112T134209_20191112T134209_T21JYM	12/11/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20191112T134209_20191112T134209_T21JYN	12/11/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20191112T134209_20191112T134209_T21JZM	12/11/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191112T134209_20191112T134209_T21JZN	12/11/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20191112T134209_20191112T134209_T21KZP	12/11/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20191112T134209_20191112T134209_T22JBR	12/11/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191112T134209_20191112T134209_T22JBS	12/11/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
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20191112T134209_20191112T134209_T22JCR	12/11/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220

20191112T134209_20191112T134209_T22JCS	12/11/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20191112T134209_20191112T134209_T22JCT	12/11/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20191112T134209_20191112T134209_T22KBU	12/11/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20191112T134209_20191112T134209_T22KCU	12/11/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191112T134209_20191112T134936_T21JYL	12/11/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20191112T134209_20191112T134936_T21JYM	12/11/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20191112T134209_20191112T134936_T21JZM	12/11/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191112T134209_20191112T134936_T22JBQ	12/11/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20191112T134209_20191112T134936_T22JBR	12/11/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191112T134209_20191112T134936_T22JBS	12/11/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20191112T134209_20191112T134936_T22JCQ	12/11/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20191112T134209_20191112T134936_T22JCR	12/11/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191113T131239_20191113T131241_T23KLQ	13/11/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20191113T131239_20191113T131241_T23KMQ	13/11/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20191116T132229_20191116T132231_T22JDN	16/11/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20191116T132229_20191116T132231_T22JDP	16/11/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20191116T132229_20191116T132231_T22JDQ	16/11/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20191116T132229_20191116T132231_T22JEM	16/11/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20191116T132229_20191116T132231_T22JEN	16/11/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20191116T132229_20191116T132231_T22JEP	16/11/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20191116T132229_20191116T132231_T22JEQ	16/11/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20191116T132229_20191116T132231_T22JER	16/11/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20191116T132229_20191116T132231_T22JES	16/11/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20191116T132229_20191116T132231_T22JET	16/11/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20191116T132229_20191116T132231_T22JFN	16/11/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20191116T132229_20191116T132231_T22JFP	16/11/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20191116T132229_20191116T132231_T22JFQ	16/11/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20191116T132229_20191116T132231_T22JFR	16/11/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20191116T132229_20191116T132231_T22JFS	16/11/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20191116T132229_20191116T132231_T22JFT	16/11/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20191116T132229_20191116T132231_T22JGQ	16/11/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20191116T132229_20191116T132231_T22JGS	16/11/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20191116T132229_20191116T132231_T22JGT	16/11/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200

20191116T132229_20191116T132231_T22KEU	16/11/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20191116T132229_20191116T132231_T22KFU	16/11/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20191116T132229_20191116T132231_T22KFV	16/11/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20191117T134211_20191117T134212_T21JYL	17/11/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20191117T134211_20191117T134212_T21JYM	17/11/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20191117T134211_20191117T134212_T21JYN	17/11/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20191117T134211_20191117T134212_T21JZM	17/11/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191117T134211_20191117T134212_T21JZN	17/11/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20191117T134211_20191117T134212_T21KZP	17/11/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20191117T134211_20191117T134212_T22JBM	17/11/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20191117T134211_20191117T134212_T22JBQ	17/11/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20191117T134211_20191117T134212_T22JBR	17/11/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191117T134211_20191117T134212_T22JBS	17/11/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20191117T134211_20191117T134212_T22JBT	17/11/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20191117T134211_20191117T134212_T22JCQ	17/11/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20191117T134211_20191117T134212_T22JCR	17/11/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191117T134211_20191117T134212_T22JCS	17/11/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20191117T134211_20191117T134212_T22JCT	17/11/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20191117T134211_20191117T134212_T22KBU	17/11/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20191117T134211_20191117T134212_T22KCU	17/11/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191118T131241_20191118T131244_T23KLR	18/11/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20191119T133219_20191119T133222_T21JYH	19/11/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20191119T133219_20191119T133222_T21JZM	19/11/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191119T133219_20191119T133222_T22JBM	19/11/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20191119T133219_20191119T133222_T22JBN	19/11/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20191119T133219_20191119T133222_T22JBP	19/11/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20191119T133219_20191119T133222_T22JBQ	19/11/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20191119T133219_20191119T133222_T22JBR	19/11/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191119T133219_20191119T133222_T22JBS	19/11/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20191119T133219_20191119T133222_T22JCM	19/11/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20191119T133219_20191119T133222_T22JCN	19/11/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20191119T133219_20191119T133222_T22JCP	19/11/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20191119T133219_20191119T133222_T22JCQ	19/11/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200

20191119T133219_20191119T133222_T22JCR	19/11/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191119T133219_20191119T133222_T22JCS	19/11/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20191119T133219_20191119T133222_T22JDM	19/11/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20191119T133219_20191119T133222_T22JDN	19/11/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20191119T133219_20191119T133222_T22JDP	19/11/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20191119T133219_20191119T133222_T22JDQ	19/11/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20191119T133219_20191119T133222_T22JDR	19/11/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20191119T133219_20191119T133222_T22JDS	19/11/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20191119T133219_20191119T133222_T22JEN	19/11/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20191119T133219_20191119T133222_T22JEP	19/11/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20191119T133219_20191119T133222_T22JEQ	19/11/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20191119T133219_20191119T133222_T22JER	19/11/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20191119T133219_20191119T133222_T22JET	19/11/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20191119T133219_20191119T133222_T22JFS	19/11/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20191119T133219_20191119T133222_T22JFT	19/11/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20191119T133219_20191119T133222_T22KCU	19/11/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191119T133219_20191119T133222_T22KDU	19/11/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20191119T133219_20191119T133222_T22KDV	19/11/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20191119T133219_20191119T133222_T22KEU	19/11/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20191119T133219_20191119T133222_T22KEV	19/11/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191119T133219_20191119T133222_T22KFU	19/11/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20191119T133219_20191119T133222_T22KFV	19/11/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
2019121T132231_2019121T132234_T22JDN	21/11/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
2019121T132231_2019121T132234_T22JDP	21/11/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
2019121T132231_2019121T132234_T22JDQ	21/11/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
2019121T132231_2019121T132234_T22JEM	21/11/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
2019121T132231_2019121T132234_T22JEN	21/11/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
2019121T132231_2019121T132234_T22JEP	21/11/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
2019121T132231_2019121T132234_T22JEQ	21/11/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
2019121T132231_2019121T132234_T22JER	21/11/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
2019121T132231_2019121T132234_T22JES	21/11/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
2019121T132231_2019121T132234_T22JET	21/11/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
2019121T132231_2019121T132234_T22JFN	21/11/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220

20191121T132231_20191121T132234_T22JFP	21/11/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20191121T132231_20191121T132234_T22JFQ	21/11/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20191121T132231_20191121T132234_T22JFR	21/11/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20191121T132231_20191121T132234_T22KEU	21/11/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20191121T132231_20191121T132234_T22KFU	21/11/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20191121T132231_20191121T132234_T22KFV	21/11/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20191122T134209_20191122T134207_T21JYL	22/11/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20191122T134209_20191122T134207_T21JYM	22/11/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20191122T134209_20191122T134207_T21JYN	22/11/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20191122T134209_20191122T134207_T21JZM	22/11/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191122T134209_20191122T134207_T21KZP	22/11/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20191122T134209_20191122T134207_T22JBR	22/11/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191122T134209_20191122T134207_T22JBS	22/11/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20191122T134209_20191122T134207_T22JCR	22/11/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191122T134209_20191122T134207_T22JCS	22/11/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20191122T134209_20191122T134207_T22KBU	22/11/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20191122T134209_20191122T134207_T22KCU	22/11/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191122T134209_20191122T134938_T21JYL	22/11/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20191122T134209_20191122T134938_T21JYM	22/11/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20191122T134209_20191122T134938_T22JBP	22/11/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20191122T134209_20191122T134938_T22JBQ	22/11/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20191122T134209_20191122T134938_T22JBR	22/11/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191122T134209_20191122T134938_T22JCQ	22/11/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20191122T134209_20191122T134938_T22JCR	22/11/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191123T131239_20191123T131239_T23KLQ	23/11/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20191123T131239_20191123T131239_T23KMQ	23/11/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20191124T133231_20191124T133225_T21JYH	24/11/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20191124T133231_20191124T133225_T21JZM	24/11/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191124T133231_20191124T133225_T22JBM	24/11/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20191124T133231_20191124T133225_T22JBN	24/11/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20191124T133231_20191124T133225_T22JBP	24/11/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20191124T133231_20191124T133225_T22JBQ	24/11/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20191124T133231_20191124T133225_T22JBR	24/11/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220

20191124T133231_20191124T133225_T22JBS	24/11/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20191124T133231_20191124T133225_T22JCN	24/11/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20191124T133231_20191124T133225_T22JCP	24/11/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20191124T133231_20191124T133225_T22JCQ	24/11/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20191124T133231_20191124T133225_T22JCR	24/11/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191124T133231_20191124T133225_T22JCS	24/11/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20191124T133231_20191124T133225_T22JCT	24/11/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20191124T133231_20191124T133225_T22JDN	24/11/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20191124T133231_20191124T133225_T22JDP	24/11/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20191124T133231_20191124T133225_T22JDQ	24/11/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20191124T133231_20191124T133225_T22JDR	24/11/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20191124T133231_20191124T133225_T22JEN	24/11/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20191124T133231_20191124T133225_T22JEP	24/11/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20191124T133231_20191124T133225_T22JEQ	24/11/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20191124T133231_20191124T133225_T22KCU	24/11/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191126T132229_20191126T132450_T22KFU	26/11/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20191126T132229_20191126T132450_T22KFV	26/11/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20191126T132229_20191126T132450_T22KGU	26/11/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20191129T133219_20191129T133219_T21JYH	29/11/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20191129T133219_20191129T133219_T21JZM	29/11/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191129T133219_20191129T133219_T22JBM	29/11/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20191129T133219_20191129T133219_T22JBN	29/11/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20191129T133219_20191129T133219_T22JBP	29/11/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20191129T133219_20191129T133219_T22JBQ	29/11/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20191129T133219_20191129T133219_T22JBR	29/11/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191129T133219_20191129T133219_T22JBS	29/11/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20191129T133219_20191129T133219_T22JCM	29/11/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20191129T133219_20191129T133219_T22JCN	29/11/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20191129T133219_20191129T133219_T22JCP	29/11/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20191129T133219_20191129T133219_T22JCQ	29/11/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20191129T133219_20191129T133219_T22JCR	29/11/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191129T133219_20191129T133219_T22JCS	29/11/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20191129T133219_20191129T133219_T22JCT	29/11/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200

20191129T133219_20191129T133219_T22JDM	29/11/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20191129T133219_20191129T133219_T22JDN	29/11/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20191129T133219_20191129T133219_T22JDP	29/11/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20191129T133219_20191129T133219_T22JDQ	29/11/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20191129T133219_20191129T133219_T22JDR	29/11/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20191129T133219_20191129T133219_T22JDS	29/11/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20191129T133219_20191129T133219_T22JDT	29/11/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20191129T133219_20191129T133219_T22JEN	29/11/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20191129T133219_20191129T133219_T22JEP	29/11/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20191129T133219_20191129T133219_T22JEQ	29/11/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20191129T133219_20191129T133219_T22JER	29/11/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20191129T133219_20191129T133219_T22JES	29/11/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20191129T133219_20191129T133219_T22JET	29/11/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20191129T133219_20191129T133219_T22JFS	29/11/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20191129T133219_20191129T133219_T22JFT	29/11/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20191129T133219_20191129T133219_T22KCU	29/11/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191129T133219_20191129T133219_T22KDU	29/11/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20191129T133219_20191129T133219_T22KDV	29/11/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20191129T133219_20191129T133219_T22KEU	29/11/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20191129T133219_20191129T133219_T22KEV	29/11/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191129T133219_20191129T133219_T22KFU	29/11/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20191129T133219_20191129T133219_T22KFV	29/11/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20191201T132231_20191201T132232_T22JEM	01/12/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20191201T132231_20191201T132232_T22JES	01/12/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20191201T132231_20191201T132232_T22JET	01/12/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20191201T132231_20191201T132232_T22JFS	01/12/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20191201T132231_20191201T132232_T22JFT	01/12/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20191201T132231_20191201T132232_T22JGS	01/12/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20191201T132231_20191201T132232_T22JGT	01/12/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20191201T132231_20191201T132232_T22KEU	01/12/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20191201T132231_20191201T132232_T22KFU	01/12/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20191201T132231_20191201T132232_T22KGU	01/12/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20191202T134209_20191202T134205_T21JYL	02/12/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220

20191202T134209_20191202T134205_T21JYM	02/12/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20191202T134209_20191202T134205_T21JYN	02/12/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20191202T134209_20191202T134205_T21JZM	02/12/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191202T134209_20191202T134205_T21JZN	02/12/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20191202T134209_20191202T134205_T21KZP	02/12/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20191202T134209_20191202T134205_T22JBR	02/12/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191202T134209_20191202T134205_T22JBS	02/12/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20191202T134209_20191202T134205_T22JBT	02/12/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20191202T134209_20191202T134205_T22JCR	02/12/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191202T134209_20191202T134205_T22JCS	02/12/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20191202T134209_20191202T134205_T22JCT	02/12/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20191202T134209_20191202T134205_T22KBU	02/12/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20191202T134209_20191202T134205_T22KCU	02/12/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191202T134209_20191202T134932_T21JXH	02/12/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20191202T134209_20191202T134932_T21JYH	02/12/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20191202T134209_20191202T134932_T21JYL	02/12/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20191202T134209_20191202T134932_T21JYM	02/12/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20191202T134209_20191202T134932_T21JZM	02/12/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191202T134209_20191202T134932_T22JBM	02/12/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20191202T134209_20191202T134932_T22JBN	02/12/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20191202T134209_20191202T134932_T22JBP	02/12/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20191202T134209_20191202T134932_T22JBQ	02/12/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20191202T134209_20191202T134932_T22JBR	02/12/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191202T134209_20191202T134932_T22JBS	02/12/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20191202T134209_20191202T134932_T22JCQ	02/12/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20191202T134209_20191202T134932_T22JCR	02/12/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191204T133221_20191204T133222_T21JYH	04/12/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20191204T133221_20191204T133222_T22JBM	04/12/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20191204T133221_20191204T133222_T22JBN	04/12/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20191204T133221_20191204T133222_T22JBP	04/12/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20191204T133221_20191204T133222_T22JCM	04/12/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20191204T133221_20191204T133222_T22JCN	04/12/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20191204T133221_20191204T133222_T22JDM	04/12/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200

20191204T13221_20191204T133222_T22JDN	04/12/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20191204T13221_20191204T133222_T22JEN	04/12/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20191206T132229_20191206T132227_T22JDN	06/12/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20191206T132229_20191206T132227_T22JDP	06/12/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20191206T132229_20191206T132227_T22JDQ	06/12/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20191206T132229_20191206T132227_T22JEM	06/12/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20191206T132229_20191206T132227_T22JEN	06/12/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20191206T132229_20191206T132227_T22JEP	06/12/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20191206T132229_20191206T132227_T22JEQ	06/12/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20191206T132229_20191206T132227_T22JER	06/12/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20191206T132229_20191206T132227_T22JFN	06/12/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20191206T132229_20191206T132227_T22JFP	06/12/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20191206T132229_20191206T132227_T22JFQ	06/12/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20191206T132229_20191206T132227_T22JGQ	06/12/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20191207T134211_20191207T134208_T21JXH	07/12/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20191207T134211_20191207T134208_T21JYH	07/12/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20191207T134211_20191207T134208_T21JYL	07/12/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20191207T134211_20191207T134208_T21JYM	07/12/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20191207T134211_20191207T134208_T21JYN	07/12/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20191207T134211_20191207T134208_T21JZM	07/12/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191207T134211_20191207T134208_T21JZN	07/12/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20191207T134211_20191207T134208_T21KZP	07/12/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20191207T134211_20191207T134208_T22JBM	07/12/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20191207T134211_20191207T134208_T22JBN	07/12/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20191207T134211_20191207T134208_T22JBP	07/12/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20191207T134211_20191207T134208_T22JBQ	07/12/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20191207T134211_20191207T134208_T22JBR	07/12/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191207T134211_20191207T134208_T22JBS	07/12/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20191207T134211_20191207T134208_T22JBT	07/12/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20191207T134211_20191207T134208_T22JCQ	07/12/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20191207T134211_20191207T134208_T22JCR	07/12/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191207T134211_20191207T134208_T22JCS	07/12/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20191207T134211_20191207T134208_T22JCT	07/12/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200

20191207T134211_20191207T134208_T22KBU	07/12/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20191207T134211_20191207T134208_T22KCU	07/12/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191208T131241_20191208T131240_T23KLQ	08/12/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20191208T131241_20191208T131240_T23KLR	08/12/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20191208T131241_20191208T131240_T23KMQ	08/12/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20191208T131241_20191208T131240_T23KNQ	08/12/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191209T133219_20191209T133942_T21JYH	09/12/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20191209T133219_20191209T133942_T22JBM	09/12/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20191209T133219_20191209T133942_T22JBN	09/12/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20191209T133219_20191209T133942_T22JBP	09/12/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20191209T133219_20191209T133942_T22JCM	09/12/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20191209T133219_20191209T133942_T22JCN	09/12/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20191209T133219_20191209T133942_T22JDM	09/12/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20191209T133219_20191209T133942_T22JDN	09/12/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20191211T132231_20191211T132229_T22JDN	11/12/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20191211T132231_20191211T132229_T22JDP	11/12/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20191211T132231_20191211T132229_T22JDQ	11/12/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20191211T132231_20191211T132229_T22JEM	11/12/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20191211T132231_20191211T132229_T22JEN	11/12/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20191211T132231_20191211T132229_T22JEP	11/12/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20191211T132231_20191211T132229_T22JEQ	11/12/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20191211T132231_20191211T132229_T22JFN	11/12/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20191211T132231_20191211T132229_T22JFP	11/12/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20191212T134209_20191212T134205_T21JYN	12/12/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20191212T134209_20191212T134205_T21JZM	12/12/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191212T134209_20191212T134205_T22JBR	12/12/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191212T134209_20191212T134205_T22JBS	12/12/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20191212T134209_20191212T134205_T22JCQ	12/12/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20191212T134209_20191212T134205_T22JCR	12/12/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191212T134209_20191212T134205_T22JCS	12/12/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20191212T134209_20191212T134205_T22JCT	12/12/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20191212T134209_20191212T134205_T22KCU	12/12/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191213T131239_20191213T131237_T23KMQ	13/12/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240

20191214T133221_20191214T133219_T21JZM	14/12/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191214T133221_20191214T133219_T22JBP	14/12/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20191214T133221_20191214T133219_T22JBQ	14/12/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20191214T133221_20191214T133219_T22JBR	14/12/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191214T133221_20191214T133219_T22JBS	14/12/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20191214T133221_20191214T133219_T22JCP	14/12/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20191214T133221_20191214T133219_T22JCQ	14/12/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20191214T133221_20191214T133219_T22JCR	14/12/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191214T133221_20191214T133219_T22JCS	14/12/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20191214T133221_20191214T133219_T22JCT	14/12/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20191214T133221_20191214T133219_T22JDN	14/12/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20191214T133221_20191214T133219_T22JDP	14/12/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20191214T133221_20191214T133219_T22JDQ	14/12/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20191214T133221_20191214T133219_T22JDT	14/12/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20191214T133221_20191214T133219_T22JEN	14/12/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20191214T133221_20191214T133219_T22JEP	14/12/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20191215T130241_20191215T130242_T23KNQ	15/12/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191217T134211_20191217T134205_T21JXH	17/12/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20191217T134211_20191217T134205_T21JYH	17/12/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20191217T134211_20191217T134205_T22JBM	17/12/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20191217T134211_20191217T134205_T22JBN	17/12/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20191218T131241_20191218T131236_T23KNR	18/12/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20191219T133219_20191219T133219_T21JYH	19/12/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20191219T133219_20191219T133219_T22JBM	19/12/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20191219T133219_20191219T133219_T22JBN	19/12/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20191219T133219_20191219T133219_T22JBP	19/12/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20191219T133219_20191219T133219_T22JBQ	19/12/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20191219T133219_20191219T133219_T22JCM	19/12/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20191219T133219_20191219T133219_T22JCN	19/12/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20191219T133219_20191219T133219_T22JCP	19/12/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20191219T133219_20191219T133219_T22JCQ	19/12/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20191219T133219_20191219T133219_T22JCR	19/12/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191219T133219_20191219T133219_T22JDM	19/12/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200

20191219T133219_20191219T133219_T22JDN	19/12/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20191219T133219_20191219T133219_T22JDP	19/12/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20191219T133219_20191219T133219_T22JDQ	19/12/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20191219T133219_20191219T133219_T22JEN	19/12/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20191219T133219_20191219T133219_T22JEP	19/12/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20191222T134209_20191222T134205_T21JYL	22/12/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20191222T134209_20191222T134205_T21JYM	22/12/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20191222T134209_20191222T134205_T21JYN	22/12/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20191222T134209_20191222T134205_T21JZM	22/12/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191222T134209_20191222T134205_T21JZN	22/12/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20191222T134209_20191222T134205_T21KZP	22/12/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20191222T134209_20191222T134205_T22JBR	22/12/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191222T134209_20191222T134205_T22JBS	22/12/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20191222T134209_20191222T134205_T22JBT	22/12/2019	7190200	309780	7190200	309780	7300000	199980	7300000	199980	7190200
20191222T134209_20191222T134205_T22JCR	22/12/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191222T134209_20191222T134205_T22JCS	22/12/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20191222T134209_20191222T134205_T22JCT	22/12/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20191222T134209_20191222T134936_T21JXH	22/12/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20191222T134209_20191222T134936_T21JYH	22/12/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20191222T134209_20191222T134936_T21JYL	22/12/2019	6990220	809760	6990220	809760	7100020	699960	7100020	699960	6990220
20191222T134209_20191222T134936_T21JYM	22/12/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20191222T134209_20191222T134936_T22JBM	22/12/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20191222T134209_20191222T134936_T22JBN	22/12/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20191222T134209_20191222T134936_T22JBP	22/12/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20191222T134209_20191222T134936_T22JBQ	22/12/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20191222T134209_20191222T134936_T22JBR	22/12/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191222T134209_20191222T134936_T22JBCQ	22/12/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20191222T134209_20191222T134936_T22JCR	22/12/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191224T133221_20191224T133219_T21JYH	24/12/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20191224T133221_20191224T133219_T21JZM	24/12/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191224T133221_20191224T133219_T22JBM	24/12/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20191224T133221_20191224T133219_T22JBN	24/12/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20191224T133221_20191224T133219_T22JBP	24/12/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240

20191224T133221_20191224T133219_T22JBQ	24/12/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20191224T133221_20191224T133219_T22JBR	24/12/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191224T133221_20191224T133219_T22JBS	24/12/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20191224T133221_20191224T133219_T22JCM	24/12/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20191224T133221_20191224T133219_T22JCN	24/12/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20191224T133221_20191224T133219_T22JCP	24/12/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20191224T133221_20191224T133219_T22JCQ	24/12/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20191224T133221_20191224T133219_T22JCR	24/12/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191224T133221_20191224T133219_T22JCS	24/12/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20191224T133221_20191224T133219_T22JCT	24/12/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20191224T133221_20191224T133219_T22JDM	24/12/2019	6590200	509760	6590200	509760	6700000	399960	6700000	399960	6590200
20191224T133221_20191224T133219_T22JDN	24/12/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20191224T133221_20191224T133219_T22JDP	24/12/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20191224T133221_20191224T133219_T22JDQ	24/12/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20191224T133221_20191224T133219_T22JDR	24/12/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20191224T133221_20191224T133219_T22JDS	24/12/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20191224T133221_20191224T133219_T22JDT	24/12/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20191224T133221_20191224T133219_T22JEN	24/12/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20191224T133221_20191224T133219_T22JEP	24/12/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20191224T133221_20191224T133219_T22JEQ	24/12/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20191224T133221_20191224T133219_T22JER	24/12/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20191224T133221_20191224T133219_T22JET	24/12/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20191224T133221_20191224T133219_T22KCU	24/12/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191224T133221_20191224T133219_T22KDU	24/12/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20191224T133221_20191224T133219_T22KDV	24/12/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240
20191224T133221_20191224T133219_T22KEU	24/12/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20191224T133221_20191224T133219_T22KEV	24/12/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191224T133221_20191224T133219_T22KFV	24/12/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20191225T130241_20191225T130242_T23KNQ	25/12/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191225T130241_20191225T130242_T23KNR	25/12/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20191226T132229_20191226T132409_T22JDN	26/12/2019	6690220	509760	6690220	509760	6800020	399960	6800020	399960	6690220
20191226T132229_20191226T132409_T22JDP	26/12/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20191226T132229_20191226T132409_T22JDQ	26/12/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200

20191226T132229_20191226T132409_T22JEM	26/12/2019	6590200	609780	6590200	609780	6700000	499980	6700000	499980	6590200
20191226T132229_20191226T132409_T22JEN	26/12/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20191226T132229_20191226T132409_T22JEP	26/12/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20191226T132229_20191226T132409_T22JEQ	26/12/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20191226T132229_20191226T132409_T22JER	26/12/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20191226T132229_20191226T132409_T22JES	26/12/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20191226T132229_20191226T132409_T22JET	26/12/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20191226T132229_20191226T132409_T22JFN	26/12/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20191226T132229_20191226T132409_T22JFP	26/12/2019	6790240	709800	6790240	709800	6900040	600000	6900040	600000	6790240
20191226T132229_20191226T132409_T22JFQ	26/12/2019	6890200	709800	6890200	709800	7000000	600000	7000000	600000	6890200
20191226T132229_20191226T132409_T22JFR	26/12/2019	6990220	709800	6990220	709800	7100020	600000	7100020	600000	6990220
20191226T132229_20191226T132409_T22JFS	26/12/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20191226T132229_20191226T132409_T22JFT	26/12/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20191226T132229_20191226T132409_T22JGQ	26/12/2019	6890200	809760	6890200	809760	7000000	699960	7000000	699960	6890200
20191226T132229_20191226T132409_T22JGS	26/12/2019	7090240	809760	7090240	809760	7200040	699960	7200040	699960	7090240
20191226T132229_20191226T132409_T22JGT	26/12/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20191226T132229_20191226T132409_T22KEU	26/12/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20191226T132229_20191226T132409_T22KFU	26/12/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20191226T132229_20191226T132409_T22KFV	26/12/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20191226T132229_20191226T132409_T22KGU	26/12/2019	7290220	809760	7290220	809760	7400020	699960	7400020	699960	7290220
20191227T134211_20191227T134205_T21JXH	27/12/2019	6690220	709800	6690220	709800	6800020	600000	6800020	600000	6690220
20191227T134211_20191227T134205_T21JYH	27/12/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20191227T134211_20191227T134205_T21JYN	27/12/2019	7190200	809760	7190200	809760	7300000	699960	7300000	699960	7190200
20191227T134211_20191227T134205_T21JZN	27/12/2019	7190200	909780	7190200	909780	7300000	799980	7300000	799980	7190200
20191227T134211_20191227T134205_T21KZP	27/12/2019	7290220	909780	7290220	909780	7400020	799980	7400020	799980	7290220
20191227T134211_20191227T134205_T22JBM	27/12/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20191227T134211_20191227T134205_T22JBN	27/12/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20191227T134211_20191227T134205_T22JCQ	27/12/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20191227T134211_20191227T134205_T22KBU	27/12/2019	7290220	309780	7290220	309780	7400020	199980	7400020	199980	7290220
20191227T134211_20191227T134205_T22KCU	27/12/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191228T131241_20191228T131237_T23KLQ	28/12/2019	7390240	409800	7390240	409800	7500040	300000	7500040	300000	7390240
20191228T131241_20191228T131237_T23KLR	28/12/2019	7490200	409800	7490200	409800	7600000	300000	7600000	300000	7490200
20191228T131241_20191228T131237_T23KMR	28/12/2019	7490200	509760	7490200	509760	7600000	399960	7600000	399960	7490200

20191228T131241_20191228T131237_T23KNQ	28/12/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191228T131241_20191228T131237_T23KNR	28/12/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200
20191229T133219_20191229T133219_T21JYH	29/12/2019	6690220	809760	6690220	809760	6800020	699960	6800020	699960	6690220
20191229T133219_20191229T133219_T21JZM	29/12/2019	7090240	909780	7090240	909780	7200040	799980	7200040	799980	7090240
20191229T133219_20191229T133219_T22JBM	29/12/2019	6590200	309780	6590200	309780	6700000	199980	6700000	199980	6590200
20191229T133219_20191229T133219_T22JBN	29/12/2019	6690220	309780	6690220	309780	6800020	199980	6800020	199980	6690220
20191229T133219_20191229T133219_T22JBP	29/12/2019	6790240	309780	6790240	309780	6900040	199980	6900040	199980	6790240
20191229T133219_20191229T133219_T22JBQ	29/12/2019	6890200	309780	6890200	309780	7000000	199980	7000000	199980	6890200
20191229T133219_20191229T133219_T22JBR	29/12/2019	6990220	309780	6990220	309780	7100020	199980	7100020	199980	6990220
20191229T133219_20191229T133219_T22JBS	29/12/2019	7090240	309780	7090240	309780	7200040	199980	7200040	199980	7090240
20191229T133219_20191229T133219_T22JCM	29/12/2019	6590200	409800	6590200	409800	6700000	300000	6700000	300000	6590200
20191229T133219_20191229T133219_T22JCN	29/12/2019	6690220	409800	6690220	409800	6800020	300000	6800020	300000	6690220
20191229T133219_20191229T133219_T22JCP	29/12/2019	6790240	409800	6790240	409800	6900040	300000	6900040	300000	6790240
20191229T133219_20191229T133219_T22JCQ	29/12/2019	6890200	409800	6890200	409800	7000000	300000	7000000	300000	6890200
20191229T133219_20191229T133219_T22JCR	29/12/2019	6990220	409800	6990220	409800	7100020	300000	7100020	300000	6990220
20191229T133219_20191229T133219_T22JCS	29/12/2019	7090240	409800	7090240	409800	7200040	300000	7200040	300000	7090240
20191229T133219_20191229T133219_T22JCT	29/12/2019	7190200	409800	7190200	409800	7300000	300000	7300000	300000	7190200
20191229T133219_20191229T133219_T22JDP	29/12/2019	6790240	509760	6790240	509760	6900040	399960	6900040	399960	6790240
20191229T133219_20191229T133219_T22JDQ	29/12/2019	6890200	509760	6890200	509760	7000000	399960	7000000	399960	6890200
20191229T133219_20191229T133219_T22JDR	29/12/2019	6990220	509760	6990220	509760	7100020	399960	7100020	399960	6990220
20191229T133219_20191229T133219_T22JDS	29/12/2019	7090240	509760	7090240	509760	7200040	399960	7200040	399960	7090240
20191229T133219_20191229T133219_T22JDT	29/12/2019	7190200	509760	7190200	509760	7300000	399960	7300000	399960	7190200
20191229T133219_20191229T133219_T22JEN	29/12/2019	6690220	609780	6690220	609780	6800020	499980	6800020	499980	6690220
20191229T133219_20191229T133219_T22JEP	29/12/2019	6790240	609780	6790240	609780	6900040	499980	6900040	499980	6790240
20191229T133219_20191229T133219_T22JEQ	29/12/2019	6890200	609780	6890200	609780	7000000	499980	7000000	499980	6890200
20191229T133219_20191229T133219_T22JER	29/12/2019	6990220	609780	6990220	609780	7100020	499980	7100020	499980	6990220
20191229T133219_20191229T133219_T22JES	29/12/2019	7090240	609780	7090240	609780	7200040	499980	7200040	499980	7090240
20191229T133219_20191229T133219_T22JET	29/12/2019	7190200	609780	7190200	609780	7300000	499980	7300000	499980	7190200
20191229T133219_20191229T133219_T22JFS	29/12/2019	7090240	709800	7090240	709800	7200040	600000	7200040	600000	7090240
20191229T133219_20191229T133219_T22JFT	29/12/2019	7190200	709800	7190200	709800	7300000	600000	7300000	600000	7190200
20191229T133219_20191229T133219_T22KCU	29/12/2019	7290220	409800	7290220	409800	7400020	300000	7400020	300000	7290220
20191229T133219_20191229T133219_T22KDU	29/12/2019	7290220	509760	7290220	509760	7400020	399960	7400020	399960	7290220
20191229T133219_20191229T133219_T22KDV	29/12/2019	7390240	509760	7390240	509760	7500040	399960	7500040	399960	7390240

20191229T133219_20191229T133219_T22KEU	29/12/2019	7290220	609780	7290220	609780	7400020	499980	7400020	499980	7290220
20191229T133219_20191229T133219_T22KEV	29/12/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191229T133219_20191229T133219_T22KFU	29/12/2019	7290220	709800	7290220	709800	7400020	600000	7400020	600000	7290220
20191229T133219_20191229T133219_T22KFV	29/12/2019	7390240	709800	7390240	709800	7500040	600000	7500040	600000	7390240
20191230T130239_20191230T130242_T23KNQ	30/12/2019	7390240	609780	7390240	609780	7500040	499980	7500040	499980	7390240
20191230T130239_20191230T130242_T23KNR	30/12/2019	7490200	609780	7490200	609780	7600000	499980	7600000	499980	7490200

Tabela S2: Número e área total (ha) dos fragmentos remanescentes da Floresta com Araucária por estado (Brasil) e para a província de Missões (Argentina) mapeados utilizando imagens de satélite Sentinel-2 (2018-2019) dentro da distribuição original da Floresta com Araucária (27,304,154.72 ha).

Estado	Categoria de tamanho (ha)	0.04-50	50-100	100-250	250-500	500-1000	1000-2500	2500-5000	5000-10000	Total
RS	Número de remanescentes	123603	193	93	27	10	1	1	-	123928
	Porcentagem de remanescentes	99,7378	0,1557	0,0750	0,0218	0,0081	0,0008	0,0008	-	100,0000
	Área total (ha)	127640,48	12973,64	13466,28	9292,32	7542,16	1665,88	2729	-	175310
	Porcentagem da área total	72,81	7,40	7,68	5,30	4,30	0,95	1,56	-	100,00
SC	Número de remanescentes	225718	552	306	73	16	12	4	1	226682
	Porcentagem de remanescentes	99,57473465	0,243512939	0,134990868	0,0322203704	0,007058346	0,00529376	0,001764587	0,000441147	100
	Área total (ha)	288784,8	38042,56	44713,96	25012,08	10934,8	18537,04	14368,12	5090,12	445483
	Porcentagem da área total	64,8250301	8,539611839	10,03717579	5,614592038	2,454591582	4,161106041	3,225286828	1,142605782	100
PR	Número de remanescentes	263450	666	317	91	24	17	2	1	264568
	Porcentagem de remanescentes	99,57742433	0,251731124	0,119817967	0,034395694	0,009071392	0,006425569	0,000755949	0,000377975	100
	Área total (ha)	341641,48	45358	46622,48	31358,44	15584,96	24319,8	8334,44	8371,8	521591
	Porcentagem da área total	65,49982994	8,696078961	8,938506271	6,012069984	2,987963375	4,662615219	1,597886775	1,60504947	100
SP	Número de remanescentes	12406	13	11	1	1	-	-	-	12432
	Porcentagem de remanescentes	99,79086229	0,104568855	0,088481338	0,008043758	0,008043758	-	-	-	100
	Área total (ha)	12541,6	886,04	1742,64	388,2	794,32	-	-	-	16352,8
	Porcentagem da área total	76,69389952	5,418276992	10,65652365	2,373905386	4,857394452	-	-	-	100
RJ	Número de remanescentes	74	-	-	-	-	-	-	-	74
	Porcentagem de remanescentes	100	-	-	-	-	-	-	-	100
	Área total (ha)	54,76	-	-	-	-	-	-	-	54,76
	Porcentagem da área total	100	-	-	-	-	-	-	-	100
MG	Número de remanescentes	4068	13	11	-	-	-	-	-	4092
	Porcentagem de remanescentes	99,41348974	0,31769306	0,268817204	-	-	-	-	-	100
	Área total (ha)	4546,8	889,68	1890,96	-	-	-	-	-	7327,44
	Porcentagem da área total	62,05168517	12,14175756	25,80655727	-	-	-	-	-	100
Missões	Número de remanescentes	11124	49	20	1	-	-	-	-	11194

(ARG)	Porcentagem de remanescentes	99,374665	0,437734501	0,178667143	0,008933357	-	-	-	100
	Área total (ha)	16001,72	3179,4	2565,56	310,28	-	-	-	22057
	Porcentagem da área total	72,54725946	14,41449774	11,6315213	1,406721506	-	-	-	100