

Tartu maakond  
Tartu vald  
Lõhmuse kruusamaardla

LÕHMUSE III KRUUSAKARJÄÄRI  
(maavara kaevandamise luba nr L.MK/332832)

JA

LÕHMUSE IV LIIVAKARJÄÄRI  
(maavara kaevandamise luba nr L.MK/329705)

MARKŠEIDERIMÕÕDISTUS

Seisuga 21.01.2026

Töö nr 26-938

Tellijaja: osäühing Moreen  
Kuuri  
Võisiku küla  
Põltsamaa vald  
Jõgeva maakond  
48029

Teostaja: Maavarauuringud OÜ  
Liiva 41  
Tartu linn  
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Vastutav täitja: Ranek Rohtla  
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geoloog ja diplomeeritud markšeider 6 tase  
Tunnistus 189745

Tartu 2026

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## 1. SISSEJUHATUS

Lõhmuse (Laeva II) kruusamaardla (nr 742) Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri markšeiderimõõdistamine tehti osauhing MOREEN tellimisel.

Markšeiderimõõdistamise tegemisel on lähtunud majandus- ja taristuministri 10.05.2019. a määrusest nr 32 „Markšeiderimõõdistuse täpsustatud nõuded ja kord” ja 01.01.2017. a kehtima hakanud Maapõueseaduse § 76.

Markšeiderimõõdistamise välitööd on tehtud 21.01.2026. a.

Markšeiderimõõdistuse aruande koostas Maavarauuringud OÜ geoloog ja diplomeeritud mäeinsener Ranek Rohtla, mõõdistuse välitöö tegid Tiit Kalmus ja Ranek Rohtla. Markšeiderimõõdistamise plaani koostamisel on kasutatud lisaks käesoleva mõõdistuse andmetele OÜ Eesti Geoloogiakeskus poolt 2015. a koostatud Lõhmuse (Laeva II) kruusamaardla Lõhmuse IV uuringuruumi geoloogiline. (varu seisuga 01.15.2015) aruannet, maavara kaavelubade L.MK/332832 ja L.MK/329705 materjale, Maavarauuringud OÜ poolt 2020. a koostatud Seletuskiri Lõhmuse (Laeva II) kruusamaardla Lõhmuse III mäeeraldise varu korrigeerimiseks aruannet ning Maavarauuringud OÜ poolt koostatud Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri markšeiderimõõdistuse materjale seisuga 22.01.2023.

## 2. MÄEERALDISTE ÜLDANDMED JA GEOLOOGILINE ISELOOMUSTUS

### 2.1. Mäeeraldiste üldandmed

Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri mäeeraldis (graafiline lisa 1) asub Lõhmuse (Laeva II) kruusamaardlal (nr 742) Tartu maakonnas Tartu vallas Valmaotsa külas, hõlmates osauhing Moreen omandis olevaid Suure-Kunila (katastritunnus 38301:002:0237; Lõhmuse IV liivakarjäär) ja Uuringu (katastritunnus 79601:001:1843; Lõhmuse III kruusakarjäär) maaüksusi.

Lõhmuse III kruusakarjääri mäeeraldise pindala on 2,81 ha ning mäeeraldise teenindusmaa pindala on 3,55 ha. Kaaveluba nr L.MK/332832 kehtib ajavahemikul 22.04.2019–21.04.2034. Kaaveluba kuulub osauhingule Moreen. Mäeeraldis hõlmab ehitusliiva aktiivse tarbevaru 6. plokki (pindala 2,71 ha), ehituskruusa aktiivse tarbevaru 7. plokki (pindala 2,71 ha) ja ehitusliiva aktiivse tarbevaru 9. plokki (pindala 0,10 ha) täies mahus. Plokkid asuvad põhjaveetasemest kõrgemal. Plokkid 6 ja 7 on arvatud protsentuaalse suhte alusel ühises ruumis: ehitusliiv 46% ja ehituskruus 54%. Kaevandamiselo muutmisel 2020 aastal (seisuga 30.09.2020) oli mäeeraldise ehitusliiva aktiivse tarbevaru 6. ploki jääkvaru maht 70,700 tuh. m<sup>3</sup>, ehituskruusa aktiivse tarbevaru 7. ploki jääkvaru maht 83,300 tuh. m<sup>3</sup> ja ehitusliiva aktiivse tarbevaru 9. ploki jääkvaru maht 6,200 tuh. m<sup>3</sup>. Ehitusliiva jääkvaru maht oli 76,900 tuh. m<sup>3</sup>, millest kaevandatav jääkvaru maht 68,900 tuh. m<sup>3</sup>. Ehituskruusa jääkvaru maht oli 83,300 tuh. m<sup>3</sup>, millest kaevandatav jääkvaru maht 75,300 tuh. m<sup>3</sup>. Peale varu väljamist korrastatakse karjääri ala maatulundusmaaks.

Markšeiderimöödistamisel (seisuga 22.01.2023) oli mäeeraldise ehitusliiva aktiivse tarbevaru 6. ploki jääkvaru maht 54,189 tuh. m<sup>3</sup>, ehituskruusa aktiivse tarbevaru 7. ploki jääkvaru maht 63,918 tuh. m<sup>3</sup> ja ehitusliiva aktiivse tarbevaru 9. ploki jääkvaru maht 5,633 tuh. m<sup>3</sup>. Ehitusliiva jääkvaru maht oli 59,822 tuh. m<sup>3</sup>, millest kaevandatav jääkvaru maht 51,822 tuh. m<sup>3</sup>. Ehituskruusa jääkvaru maht oli 63,918 tuh. m<sup>3</sup>, millest kaevandatav jääkvaru maht 55,918 tuh. m<sup>3</sup>.

Kaevandaja poolt deklareeritud mahtude alusel (seisuga 31.12.2025; *lisa 4*) oli mäeeraldise ehitusliiva aktiivse tarbevaru 6. ploki jääkvaru maht 47,699 tuh. m<sup>3</sup>, ehituskruusa aktiivse tarbevaru 7. ploki jääkvaru maht 56,299 tuh. m<sup>3</sup> ja ehitusliiva aktiivse tarbevaru 9. ploki jääkvaru maht 5,616 tuh. m<sup>3</sup>. Ehitusliiva jääkvaru maht oli 53,315 tuh. m<sup>3</sup>, millest kaevandatav jääkvaru maht 45,315 tuh. m<sup>3</sup>. Ehituskruusa jääkvaru maht oli 56,299 tuh. m<sup>3</sup>, millest kaevandatav jääkvaru maht 48,299 tuh. m<sup>3</sup>.

Lõhmuse IV liivakarjääri mäeeraldise pindala on 2,35 ha ning mäeeraldise teenindusmaa pindala on 2,90 ha. Kaaveluba nr L.MK/329705 kehtib ajavahemikul 05.09.2017–04.09.2032. Kaaveluba kuulub osaühingule Moreen. Mäeeraldis hõlmab ehitusliiva aktiivse tarbevaru 8. plokki (pindala 2,35 ha) täies mahus. Plokk asub põhjaveetasemest kõrgemal. Kaevandamiselo saamisel 2017 aastal (seisuga 05.09.2017) oli mäeeraldise ehitusliiva aktiivse tarbevaru 8. ploki maht 191 tuh. m<sup>3</sup>, millest kaevandatava varu maht 165 tuh. m<sup>3</sup>. Peale varu väljamist korrastatakse karjääri ala metsamaaks.

Markšeiderimöödistamisel (seisuga 22.01.2023) oli mäeeraldise ehitusliiva aktiivse tarbevaru 8. ploki jääkvaru maht 68 tuh. m<sup>3</sup>, millest kaevandatav jääkvaru maht 38 tuh. m<sup>3</sup>.

Kaevandaja poolt deklareeritud mahtude alusel (seisuga 31.12.2025; *lisa 5*) oli mäeeraldise ehitusliiva aktiivse tarbevaru 8. ploki jääkvaru maht 41,199 tuh. m<sup>3</sup>, millest kaevandatav jääkvaru maht 11,199 tuh. m<sup>3</sup>.

Põhja ja kirde poolt piirneb Lõhmuse III kruusakarjääri mäeeraldis Alma katastriüksusega (79601:001:0908; pindala 33,43 ha; 100% tootmismaa). Alma maaüksusel asub Laeva meierei, kus toodetakse piimatooteid (joogipiim, hapukoor, jogurt jms) ja meierei puurkaev 3 (katastri nr 16766, passi nr 1042), mis kuulub põhjavee seirevõrku (SJA5867000). Puurkaevu sanitaarkaitseala ulatub Uuringu maaüksuseni (graafiline lisa 1). Idas külgneb Lõhmuse III kruusakarjääri mäeeraldise teenindusala Mõisa (katastriüksuse tunnus 38301:002:0133, pindala 0,61 ha, 100% tootmismaa) hoonestatud maaüksustega. Lõhmuse IV liivakarjäärist idasse jääb Liivaku katastriüksus (katastritunnus 38301:002:0493).

Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri mäeeraldisest edelasse ja lääne poole jäävad Poldri katastriüksus (katastritunnus 38301:002:0100) ja Hendriku katastriüksus (katastritunnus 38301:002:0268), kuhu jääb Laeva poldri maaparandussüsteemi (maaparandussüsteemi kood 2103960020120001; graafiline lisa 1). Samadele maaüksustele jääb III kategooria kaitsealuste liikide *Crex crex* (rukkirääk, registrikood KLO9126656) ja *Caprimulgus europaeus* (öösorr; registrikood KLO9126638) leiukoht.

Lõhmuse IV liivakarjääri mäeeraldisest lõuna poole jääb Lõhmuse kruusakarjääri mäeeraldis (pindala 8,91 ha) ja mäeeraldis teenindusmaa (pindala on 10,0 ha). Lõhmuse kruusakarjäär asub munitsipaalomandisse kuuluval Lõhmuse kruusakarjääri (katastritunnus 38301:002:0118) maaüksusel. Kinnistu omanik on Tartu vald, maavara kaevandamisloa omanik ja muutmise taotleja (hetkel menetluses) on kohalikule omavalitsusele kuuluv munitsipaalettevõte (Osaühing Tartu Valla Kommunaal). Lõhmuse kruusakarjääris on kaeveluba KL-513881, mis kehtib ajavahemikul 04.11.2021–04.11.2036. Mäeeraldises piiresse jääb ehituskruusa aktiivse tarbevaru plokid 1 aT ja 3 aT. Lõhmuse kruusakarjäärist vahetult lõuna ja kagu poole jääb Lõhmuse kruusamaardla ehituskruusa aktiivse tarbevaru 4. plokk.

Lähim elamu jääb Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri mäeeraldisest ida-kagu poole ligikaudu 200 m kaugusele Lubjaahju (katastritunnus 38301:002:0435) maaüksusele. Hendrikupõllu (katastritunnus 38301:002:0279) maaüksusel ligikaudu 220 m kaugusele jäävad tootmishooned. Liivaku katastriüksusel (katastritunnus 38301:002:0493) asuvad lagunened hooned.

Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri mäeeraldisest ida-kagu poole ligikaudu 450 m kaugusele jääb kohalik avalikult kasutatav Laeva-Palupõhja tee (nr 3830029), mis viib riigi põhimaanteele Tallinna-Tartu-Võru-Luhamaa tee (nr 2). Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri mäeeraldisest Laeva-Palupõhja teele saab Hendriku tee (katastritunnus 38301:002:0281) maaüksuse kaudu (graafiline lisa 1).

Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri mäeeraldises kagunurgast ligikaudu 150-160 m kaugusele jääb Elektrilevi OÜ alla 1 kV elektriõhuliin ALUS.4x50 (vid tunnus 230748164), millel on õhuliini kaitsevöönd mõlemal pool liini telge 2 meetrit.

Lähimaks vooluveekoguks on ligikaudu 500...550 m kaugusele edela ja lääne poole jääv Laeva jõgi (VEE1039600) ja ligikaudu 700 m kaugusele ida poole jääv Pärka oja (VEE1040400).

Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri piires ei asu Natura 2000 linnu- ega loodusalasid, looduskaitsealasid ning kultuurimälestisi. Teenindusalale ei jää hooned, kommunikatsioonid ega muid tehnovõrke. Alam-Pedja looduskaitseala jääb Lõhmuse karjääridest ligikaudu 500 m kaugusele edelasse. Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri mäeeraldistel asub III kategooria kaitsealuse liigi *Riparia riparia* (kaldapääsuke; registrikood KLO9124314) leiukoht. Ülevaade mäeeraldises seisundist on esitatud fotodel 1–8 (seisuga 2026 jaanuar; fotod teinud Tiit Kalmus).

Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri mäeeraldises keskosa geograafilised koordinaadid on: 58°27'59" pl ja 26°21'14" ip (Eesti baaskaart, leht 5434).



Foto 1. Lõhmuse IV karjääri kesk-ida-lõunaosa kaeveala vaatega kagu suunas.



Foto 2. Lõhmuse IV karjääri kesk-ida-põhjaosa kaeveala vaatega põhja suunas.



Foto 3. Lõhmuse IV karjääri kesk-lääne-edelaosa kaeveala vaatega edela suunas.



Foto 4. Lõhmuse III karjääri kesk-lääne-põhjaosa kaeveala vaatega loode suunas.



Foto 5. Lõhmuse III karjääri kesk-ida-põhjaosa kaeveala vaatega põhja suunas.



Foto 6. Lõhmuse III karjääri kesk-lõuna-edelaosa kaeveala vaatega edela suunas.



Foto 7. Lõhmuse IV karjääri kesk-lääne-lõuna-idaosa kaeveala vaatega lõuna suunas.



Foto 8. Lõhmuse III karjääri kesk-ida-lõunaosa kaeveala vaatega kagu suunas.

## 2.2. Mäeeraldiste geoloogiline iseloomustus

Lõhmuse (Laeva II) kruusamaardla varu, mis jääb Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri mäeeraldiste piiridesse, on kinnitatud 2007. a (Rooma A., Uri U., 2007; EGF 7892), 2015. a (Grünberg R., 2015; EGF 8674) ja 2020. a (Grünberg R., 2020; EGF 9382) geoloogiliste uuringute põhjal.

Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri mäeeraldised asuvad Võrtsjärve nõos, kirde-edelasuunalisel oosil. Maapinna absoluutsed kõrgused Lõhmuse III kruusa- ja Lõhmuse IV liivakarjääri teenindusmaal ulatuvad 37 m-st oosi läänejalamil 48 m-ni oosi lael. Oosi idajalamil on maapinna kõrguseks 41 m.

Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri piires on liivalasundit katnud 0,4-0,6 m tusedune mullakiht, mis on kaevandamise käigus valdavas enamuses juba kooritud.

Kasulik kiht (liustikujõelised setted) on esindatud valdavalt ülipeene- kuni ülijämedateralise liiva, kruusa ja veeristega. Kruusaka liiva lasund on põimjaskihiline. Kruusaka liiva lasundit pole reeglina läbitud. Kruusaka liiva lamami absoluutne kõrgus jääb valdavalt vahemikku, 34,3–39,2 m. Lõunaosas on lamami absoluutne kõrgus *ca* 35 m ja idaosas 39,2 m. Uuritud liivalasund asub põhjaveetasemest kõrgemal, kuid liivalasund sügavuse suunas jätkub.

Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri liivalasundis on kruusaosakeste (>5 mm) keskmine sisaldus 33,2%, savi- ja tolmuosakeste (<0,005 mm) keskmine sisaldus 8,2 % ja liiva keskmine peensusmoodul 1,6 (peeneteraline liiv). Analoogse koostisega materjal ilmselt jätkub ka senise karjääri põhja tasemest madalamal.

## 3. MARKŠEIDERIMÕÕDISTUS

Topogeodeetilise mõõdistamise välitööd on tehtud 2026. aasta 21. jaanuaril GPS RTK liikuvjaama Spectra SP100 abil, mille mõõdistamise plaaniline täpsus on horisontaalselt koordinaatide määramisel  $\pm 5\text{mm} + 0,5\text{ppm}$ , kõrguslikult  $\pm 10\text{mm} + 1\text{ppm}$ . GPS tööjaama lubatud maksimaalne vahemaa püsijaamast on tehniliste tingimuste järgi 35 km. Töö on teostatud L'EST 97 koordinaatide süsteemis, kõrgused on arvatud EH2000 süsteemis. Koordinaadid on seotud riikliku geodeetilise põhivõrguga GPS püsijaamade võrgu GeoNet vahendusel. Nimetatud püsivõrgu haldaja on Geosoft OÜ. Mõõdistamisel kasutati Spectra SP85 liikuvjaama komplektis väliarvutit MobileMapper6. Liikuvjaam on enne ja pärast mõõdistust kontrollitud riiklikul tihendusvõrgu punktil LAEVA97 (ID 21085; X=6484965,982, Y=638160,340, Z=56,983(EH2000)). GNSS vastuvõtuseadmega mõõdetud geodeetilise punkti koordinaadid olid enne mõõdistamise alustamist: X=6484965,977 (erinevus 0,005); Y=638160,315 (erinevus 0,025); Z=56,958 (erinevus 0,025) ja peale mõõdistamise lõpetamist: X=6484965,980 (erinevus 0,002); Y=638160,314 (erinevus 0,026); Z=56,966 (erinevus 0,017). Geodeetilise punkti mõõtmistulemuste erinevus geodeetiliste punktide andmekogus esitatud koordinaatidest vastab seadme tehnilises spetsifikatsioonis toodud täpsusandmetele ning jääb maapõueseaduses toodud lubatud erinevuste piiridesse

(Vastavalt 10.05.2019. a määrusele nr 32 „Markšeiderimõõdistuse täpsustatud nõuded ja kord” §1 (4) ei või GNSS-i vastuvõtuseadmega mõõdetud koordinaatide erinevus geodeetiliste punktide andmekogus esitatud koordinaatidest kontrollmõõtmisel ületada horisontaalselt 3 cm ( $\Delta H < 0,030$  m) ja kõrguslikult 7 cm ( $\Delta V < 0,070$  m)). Plaani koostamisel on kasutatud programmi MapInfo.

Nii eelmine markšeiderimõõdistus kui ka käesolev markšeiderimõõdistus on tehtud Euroopa (EH2000) kõrgussüsteemis.

#### 4. KAEVANDATUD MAAVARA JA JÄÄKVARU ARVUTUS

Alates viimasest markšeiderimõõdistusest (seisuga 22.01.2023) on seisuga 21.01.2026 Lõhmuse III kruusakarjääri mäeeraldisel kaevandatud 1,20 hektaril ja Lõhmuse IV liivakarjääri mäeeraldisel kaevandatud 0,71 hektaril. Ajavahemikus 22.01.2023–21.01.2026 on Lõhmuse III mäeeraldisel kooritud 0,48 ha suurusel alal. Kaevandatud on plokkidest 6, 7, 8 ja 9. Joonisel 1 on esitatud 2026. a maapinna reljefimudel.

Kaevandatud mahtude väljaselgitamiseks toimiti järgmiselt. **Kaevandatud maavara mahu** arvutused tehti arvutiprogrammiga Surfer 10 (Triangulation with Linear Interpolation meetodil) mäeeraldisel 21.01.2026. a mõõdistatud maapinna mudeli ja ploki lamami mudeli vahelises ruumis. Sellest lahutati maha koorimata katendi jääkvaru maht. Ploki lamami punktide jaoks oli aluseks mäeeraldisel plaanil olevad lamamijooned. Ladude maht arvutati samuti arvutiprogrammiga Surfer 10 (Triangulation with Linear Interpolation meetodil).

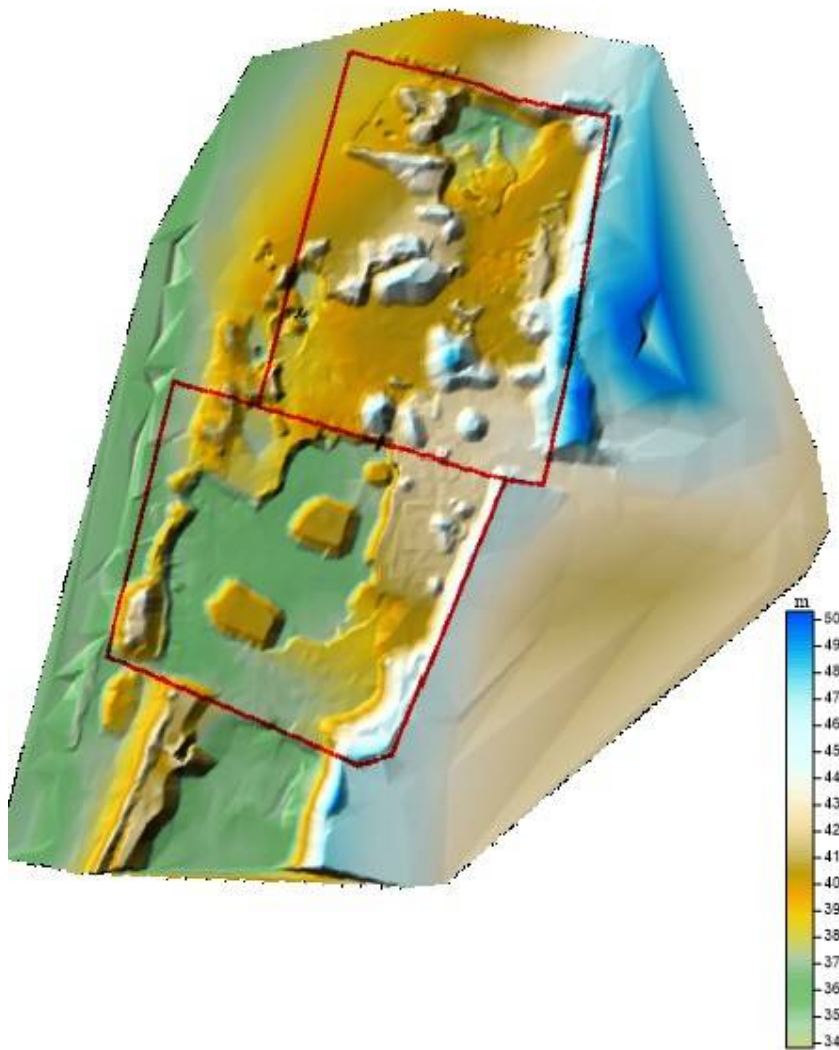
**Seisuga 21.01.2026 on Lõhmuse IV liivakarjääri mäeeraldisel ehitusliiva aktiivse tarbevaru 8. ploki jääkvaru maht koos katendiga 61,611 tuh. m<sup>3</sup> (lisa 1). Seisuga 21.01.2026 oli Lõhmuse IV liivakarjääri mäeeraldisel koorimata 0,36 ha suurusel alal keskmise paksuse juures 0,4 m katendit (mulda) mahuga 1,440 tuh. m<sup>3</sup> (3600\*0,4). Seega on seisuga 21.01.2026 Lõhmuse IV liivakarjääri mäeeraldisel ehitusliiva aktiivse tarbevaru 8. ploki jääkvaru maht 60,171 tuh. m<sup>3</sup> (61,611-1,440).**

**Seisuga 21.01.2026 on Lõhmuse III kruusakarjääri mäeeraldisel jääkvaru maht koos katendiga 95,623 tuh. m<sup>3</sup> (lisa 2). Seisuga 21.01.2026 oli Lõhmuse III kruusakarjääri mäeeraldisel koorimata plokk 6 ja 7 piires 0,39 ha suurusel alal keskmise paksuse juures 0,4 m katendit (mulda) mahuga 1,560 tuh. m<sup>3</sup> (3900\*0,4). Seega on seisuga 21.01.2026 Lõhmuse III kruusakarjääri mäeeraldisel ehitusliiva aktiivse tarbevaru 6. ja 9. ploki ning ehituskruusa aktiivse tarbevaru 7. ploki jääkvaru maht kokku 94,063 tuh. m<sup>3</sup> (95,623-1,560).**

**Seisuga 21.01.2026 on Lõhmuse III kruusakarjääri mäeeraldisel ehitusliiva aktiivse tarbevaru 6 ja ehituskruusa aktiivse tarbevaru 7. ploki jääkvaru maht koos katendiga 92,564 tuh. m<sup>3</sup> (lisa 2). Seisuga 21.01.2026 oli Lõhmuse III kruusakarjääri mäeeraldisel koorimata plokk 6 ja 7 piires 0,39 ha suurusel alal keskmise paksuse juures 0,4 m katendit (mulda) mahuga 1,560 tuh. m<sup>3</sup> (3900\*0,4). Seega on seisuga 21.01.2026 Lõhmuse III kruusakarjääri mäeeraldisel ehitusliiva aktiivse tarbevaru 6. ploki ja ehituskruusa**

aktiivse tarbevaru 7. ploki jääkvaru maht kokku 91,004 tuh. m<sup>3</sup> (92,564-1,560). Plokk 6 ja 7 on arvele võetud protsentuaalse suhte 46:54 alusel. Seega on seisuga 21.01.2026 Lõhmuse III kruusakarjääri mäeeraldise ehitusliiva aktiivse tarbevaru 6. ploki jääkvaru maht 41,862 tuh. m<sup>3</sup> (91,004\*0,46). Seisuga 21.01.2026 Lõhmuse III kruusakarjääri mäeeraldise ehituskruusa aktiivse tarbevaru 7. ploki jääkvaru maht 49,142 tuh. m<sup>3</sup> (91,004\*0,54).

Seisuga 21.01.2026 Lõhmuse III kruusakarjääri mäeeraldise ehitusliiva aktiivse tarbevaru 9. ploki jääkvaru maht 3,059 tuh. m<sup>3</sup> (94,063-91,004).



Joonis 1. Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri mäeeraldise (piiritletud punase joonega) ja lähiümbruse reljeef seisuga 21.01.2026. a.

Seisuga 21.01.2026 on Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri mäeeraldisel laopuistangutes kokku 11,237 tuh. m<sup>3</sup> (lisa 3) materjali. Laopuistangute maht on arvestatud kaevandatud mahu hulka.

Markšeiderimöödistamisel (seisuga 22.01.2023) oli Lõhmuse III mäeeraldise ehitusliiva aktiivse tarbevaru 6. ploki jääkvaru maht 54,189 tuh. m<sup>3</sup>, ehituskruusa aktiivse tarbevaru 7. ploki jääkvaru maht 63,918 tuh. m<sup>3</sup> ja ehitusliiva aktiivse tarbevaru 9. ploki jääkvaru maht 5,633 tuh. m<sup>3</sup>. Ehitusliiva jääkvaru maht oli 59,822 tuh. m<sup>3</sup>, millest kaevandataav jääkvaru maht 51,822 tuh. m<sup>3</sup>. Ehituskruusa jääkvaru maht oli 63,918 tuh. m<sup>3</sup>, millest kaevandataav jääkvaru maht 55,918 tuh. m<sup>3</sup>.

Markšeiderimöödistamisel (seisuga 21.01.2026) oli Lõhmuse III mäeeraldise ehitusliiva aktiivse tarbevaru 6. ploki jääkvaru maht 41,862 tuh. m<sup>3</sup>, ehituskruusa aktiivse tarbevaru 7. ploki jääkvaru maht 49,142 tuh. m<sup>3</sup> ja ehitusliiva aktiivse tarbevaru 9. ploki jääkvaru maht 3,059 tuh. m<sup>3</sup>. Ehitusliiva jääkvaru maht oli 44,921 tuh. m<sup>3</sup>, millest kaevandataav jääkvaru maht 36,921 tuh. m<sup>3</sup>. Ehituskruusa jääkvaru maht oli 49,142 tuh. m<sup>3</sup>, millest kaevandataav jääkvaru maht 41,142 tuh. m<sup>3</sup>.

Kaevandaja poolt deklareeritud mahtude alusel (seisuga 31.12.2025; *lisa 4*) oli Lõhmuse III mäeeraldise ehitusliiva aktiivse tarbevaru 6. ploki jääkvaru maht 47,699 tuh. m<sup>3</sup>, ehituskruusa aktiivse tarbevaru 7. ploki jääkvaru maht 56,299 tuh. m<sup>3</sup> ja ehitusliiva aktiivse tarbevaru 9. ploki jääkvaru maht 5,616 tuh. m<sup>3</sup>. Ehitusliiva jääkvaru maht oli 53,315 tuh. m<sup>3</sup>, millest kaevandataav jääkvaru maht 45,315 tuh. m<sup>3</sup>. Ehituskruusa jääkvaru maht oli 56,299 tuh. m<sup>3</sup>, millest kaevandataav jääkvaru maht 48,299 tuh. m<sup>3</sup>.

Tabelis 1 on esitatud kokkuvõtvalt käesolevas töös arvatud jääkvaru koguse ja Lõhmuse III kruusakarjääri mäeeraldise bilansilise (mäeeraldise detailandmetel seisuga 31.12.2025; *lisa 4*) koguse võrdlus.

*Tabel 1*

Plokk, maavara	Jääkvaru seisuga 22.01.2023, tuh. m <sup>3</sup>	Kaevandatud maht MS alusel ajavahemikul 22.01.2023- 21.01.2026, tuh. m <sup>3</sup>	Jääkvaru seisuga 21.01.2026, tuh. m <sup>3</sup>	Bilansiline jääkvaru seisuga 31.12.2025, tuh. m <sup>3</sup>	Tegelik ja bilansilise jääkvaru vahe, tuh. m <sup>3</sup>
6 – ehitusliiv	<b>54,1890</b>	<b>12,3270</b>	<b>41,8620</b>	<b>47,6990</b>	<b>+5,8370</b>
7 – ehituskruus	<b>63,9180</b>	<b>14,7760</b>	<b>49,1420</b>	<b>56,2990</b>	<b>+7,1570</b>
9 – ehitusliiv	<b>5,6330</b>	<b>2,5740</b>	<b>3,0590</b>	<b>5,6160</b>	<b>+2,5570</b>
<b>KOKKU</b>	<b>123,7400</b>	<b>29,6770</b>	<b>94,0630</b>	<b>109,6140</b>	<b>+15,5510</b>

+ märgiga juurde deklareeritav kogus      - märgiga rohkem deklareeritud kogus

Markšeiderimöödistamisel (seisuga 22.01.2023) oli Lõhmuse IV mäeeraldise ehitusliiva aktiivse tarbevaru 8. ploki jääkvaru maht 68 tuh. m<sup>3</sup>, millest kaevandataav jääkvaru maht 38 tuh. m<sup>3</sup>.

Markšeiderimöödistamisel (seisuga 21.01.2026) oli Lõhmuse IV mäeeraldise ehitusliiva aktiivse tarbevaru 8. ploki jääkvaru maht 60,171 tuh. m<sup>3</sup>, millest kaevandataav jääkvaru maht 30,171 tuh. m<sup>3</sup>.

Kaevandaja poolt deklareeritud mahtude alusel (seisuga 31.12.2025; *lisa 5*) oli Lõhmuse IV mäeeraldise ehitusliiva aktiivse tarbevaru 8. ploki jääkvaru maht 41,199 tuh. m<sup>3</sup>, millest kaevandataav jääkvaru maht 11,199 tuh. m<sup>3</sup>.

Tabelis 2 on esitatud kokkuvõtvalt käesolevas töös arvatud jääkvaru koguse ja Lõhmuse IV liivakarjääri mäeeraldise bilansilise (mäeeraldise detailandmetel seisuga 31.12.2025; lisa 5) koguse võrdlus.

Tabel 2

Plokk, maavara	Jääkvaru seisuga 22.01.2023, tuh. m <sup>3</sup>	Kaevandatud maht MS alusel ajavahemikul 22.01.2023- 21.01.2026, tuh. m <sup>3</sup>	Jääkvaru seisuga 21.01.2026, tuh. m <sup>3</sup>	Bilansiline jääkvaru seisuga 31.12.2025, tuh. m <sup>3</sup>	Tegeliku ja bilansilise jääkvaru vahe, tuh. m <sup>3</sup>
6 – ehitusliiv	<b>68,0000</b>	<b>7,8290</b>	<b>60,1710</b>	<b>41,1990</b>	<b>-18,9720</b>
<b>KOKKU</b>	<b>68,0000</b>	<b>7,8290</b>	<b>60,1710</b>	<b>41,1990</b>	<b>-18,9720</b>

+ märgiga juurde deklareeritav kogus      - märgiga rohkem deklareeritud kogus

## 5. KOKKUVÕTE

Alates viimasest markšeiderimõõdistusest (seisuga 22.01.2023) on seisuga 21.01.2026 Lõhmuse IV liivakarjääri mäeeraldiselt kaevandatud 0,71 hektarilt ehitusliiva aktiivse tarbevaru 8. plokist 7,829 tuh. m<sup>3</sup> ehitusliiva. Lõhmuse III kruusakarjääri mäeeraldiselt on kaevandatud 1,20 hektarilt ehitusliiva aktiivse tarbevaru 6. plokist 12,327 tuh. m<sup>3</sup> ehitusliiva, ehituskruusa aktiivse tarbevaru 7. plokist 14,776 tuh. m<sup>3</sup> ehituskruusa ja ehitusliiva aktiivse tarbevaru 9. plokist 2,574 tuh. m<sup>3</sup> ehitusliiva. Väljapoole mäeeraldist pindalaliselt ja sügavuti pole kaevandatud.

Kaevandamisega rikutud ala (kaevandamine, katendi koorimine, katendi ladustamine) kogupindala on 14,59 ha (Lõhmuse kruusakarjääriiga koos). Kasutatud ega kasutuskõlbmatuks muudetud maavaravaru koguseid mäeeraldisel ei ole.

## 6. KASUTATUD MATERJALID

Grünberg, R., 2015. Lõhmuse (Laeva II) kruusamaardla Lõhmuse IV uuringuruumi geoloogiline. (varu seisuga 01.15.2015) Tartu. EGF 8674.

Grünberg, R., 2020. Seletuskiri Lõhmuse (Laeva II) kruusamaardla Lõhmuse III mäeeraldise varu korrigeerimiseks Tartu. EGF 9382.

Lõhmuse (Laeva II) maardla registrikaart nr 742.

Lõhmuse III kruusakarjääri kaevandamise luba nr L.MK/332832.

Lõhmuse IV liivakarjääri kaevandamise luba nr L.MK/329705.

Maapõueseadus (vastu võetud 27.10.2016) § 76 (Markšeiderimõõdistus).

Maavarauuringud OÜ. Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri markšeiderimõõdistus seisuga 22.01.2023.

Majandus- ja taristuministri määrus nr 32 „Markšeiderimõõdistuse täpsustatud nõuded ja kord” (RT I, 07.05.2019, 5).

Rooma, A., 2010. Lõhmuse uuringuruumi geoloogiline uuring(varu seisuga 01.09.2010).

Tartu. EGF 8276

**Arvutiprogramm Surfer raport. Lõhmuse IV liivakarjääri mäeeraldise ehitusliiva aktiivse tarbevaru 8 ploki jääkvaru maht seisuga 21.01.2026.**

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**Grid Volume Computations**

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**Upper Surface**

Grid File Name: I:\LEPINGUD III\LÕHMUSE MAARDLA\LÕHMUSE III JA LÕHMUSE IV MS  
2026\SURFER 2026\outtopoME4.grd  
Grid Size: 492 rows x 446 columns  
X Minimum: 637133  
X Maximum: 637578.4  
X Spacing: 1.0008988764045  
Y Minimum: 6482872  
Y Maximum: 6483363  
Y Spacing: 1  
Z Minimum: 34.81644181493  
Z Maximum: 48.322227600949

**Lower Surface**

Grid File Name: I:\LEPINGUD III\LÕHMUSE MAARDLA\LÕHMUSE III JA LÕHMUSE IV MS  
2026\SURFER 2026\outlamME4.grd  
Grid Size: 492 rows x 446 columns  
X Minimum: 637133  
X Maximum: 637578.4  
X Spacing: 1.0008988764045  
Y Minimum: 6482872  
Y Maximum: 6483363  
Y Spacing: 1  
Z Minimum: 34.039269048299  
Z Maximum: 40.199255733827

**Volumes**

Z Scale Factor: 1

**Total Volumes by:**

Trapezoidal Rule: 61437.296498511  
Simpson's Rule: 61355.115992786  
Simpson's 3/8 Rule: 61435.920159343

**Cut & Fill Volumes**

Positive Volume [Cut]: 61611.311003817 **ehk jääkvaru maht koos katendiga on 61,611 tuh. m<sup>3</sup>.**  
Negative Volume [Fill]: 174.01450530491  
Net Volume [Cut-Fill]: 61437.296498512

**Seisuga 21.01.2026 on Lõhmuse IV liivakarjääri mäeeraldise ehitusliiva aktiivse tarbevaru 8. ploki jääkvaru maht koos katendiga 61,611 tuh. m<sup>3</sup>. Seisuga 21.01.2026 oli Lõhmuse IV liivakarjääri mäeeraldisel koorimata 0,36 ha suurusel alal keskmise paksuse juures 0,4 m katendit (mulda) mahuga 1,440 tuh. m<sup>3</sup> (3600\*0,4). Seega on seisuga 21.01.2026 Lõhmuse IV liivakarjääri mäeeraldise ehitusliiva aktiivse tarbevaru 8. ploki jääkvaru maht 60,171 tuh. m<sup>3</sup> (61,611-1,440).**

**Arvutiprogramm Surfer raport. Lõhmuse IV liivakarjääri mäeeraldise ehitusliiva aktiivse tarbevaru 6. ja 9. ploki ning ehituskruusa aktiivse tarbevaru 7. ploki jääkvaru maht seisuga 21.01.2026.**

### MÄEERALDISE JÄÄKVARU

#### **Grid Volume Computations**

##### **Upper Surface**

Grid File Name: I:\LEPINGUD III\LÕHMUSE MAARDLA\LÕHMUSE III JA LÕHMUSE IV MS  
2026\SURFER 2026\outtopoME3.grd  
Grid Size: 492 rows x 446 columns  
X Minimum: 637133  
X Maximum: 637578.4  
X Spacing: 1.0008988764045  
Y Minimum: 6482872  
Y Maximum: 6483363  
Y Spacing: 1  
Z Minimum: 35.783436586555  
Z Maximum: 49.303271434295

##### **Lower Surface**

Grid File Name: I:\LEPINGUD III\LÕHMUSE MAARDLA\LÕHMUSE III JA LÕHMUSE IV MS  
2026\SURFER 2026\outlamME3.grd  
Grid Size: 492 rows x 446 columns  
X Minimum: 637133  
X Maximum: 637578.4  
X Spacing: 1.0008988764045  
Y Minimum: 6482872  
Y Maximum: 6483363  
Y Spacing: 1  
Z Minimum: 33.722770100775  
Z Maximum: 40.299923105195

##### **Volumes**

Z Scale Factor: 1

##### **Total Volumes by:**

Trapezoidal Rule: 95573.207747812  
Simpson's Rule: 95634.943245297  
Simpson's 3/8 Rule: 95587.71762211

##### **Cut & Fill Volumes**

Positive Volume [Cut]: 95622.612283172 **ehk jääkvaru maht koos katendiga on 95,623 tuh. m<sup>3</sup>**  
Negative Volume [Fill]: 49.404535360168  
Net Volume [Cut-Fill]: 95573.207747812

**Seisuga 21.01.2026 on Lõhmuse III kruusakarjääri mäeeraldise jääkvaru maht koos katendiga 95,623 tuh. m<sup>3</sup>. Seisuga 21.01.2026 oli Lõhmuse III kruusakarjääri mäeeraldisel koorimata plokk 6 ja 7 piires 0,39 ha suurusel alal keskmise paksuse juures 0,4 m katendit (mulda) mahuga 1,560 tuh. m<sup>3</sup> (3900\*0,4). Seega on seisuga 21.01.2026 Lõhmuse III kruusakarjääri mäeeraldise ehitusliiva aktiivse tarbevaru 6. ja 9. ploki ning ehituskruusa aktiivse tarbevaru 7. ploki jääkvaru maht kokku 94,063 tuh. m<sup>3</sup> (95,623-1,560).**

**PLOKKIDE 6 JA 7 JÄÄKVARU****Grid Volume Computations****Upper Surface**

Grid File Name: I:\LEPINGUD III\LÖHMUSE MAARDLA\LÖHMUSE III JA LÖHMUSE IV MS  
 2026\SURFER 2026\outtopo6pl.grd  
 Grid Size: 492 rows x 446 columns  
 X Minimum: 637133  
 X Maximum: 637578.4  
 X Spacing: 1.0008988764045  
 Y Minimum: 6482872  
 Y Maximum: 6483363  
 Y Spacing: 1  
 Z Minimum: 35.783436586555  
 Z Maximum: 49.303271434295

**Lower Surface**

Grid File Name: I:\LEPINGUD III\LÖHMUSE MAARDLA\LÖHMUSE III JA LÖHMUSE IV MS  
 2026\SURFER 2026\outlam6pl.grd  
 Grid Size: 492 rows x 446 columns  
 X Minimum: 637133  
 X Maximum: 637578.4  
 X Spacing: 1.0008988764045  
 Y Minimum: 6482872  
 Y Maximum: 6483363  
 Y Spacing: 1  
 Z Minimum: 33.722770100775  
 Z Maximum: 40.299923105195

**Volumes**

Z Scale Factor: 1

**Total Volumes by:**

Trapezoidal Rule: 92514.574816338  
 Simpson's Rule: 92572.609901412  
 Simpson's 3/8 Rule: 92533.662493266

**Cut & Fill Volumes**

Positive Volume [Cut]: 92564.317944789 **ehk jääkvaru maht koos katendiga on 92,564 tuh. m<sup>3</sup>**  
 Negative Volume [Fill]: 49.743128450409  
 Net Volume [Cut-Fill]: 92514.574816338

Seisuga 21.01.2026 on Lõhmuse III kruusakarjääri mäeeraldise ehitusliiva aktiivse tarbevaru 6 ja ehituskruusa aktiivse tarbevaru 7. ploki jääkvaru maht koos katendiga 92,564 tuh. m<sup>3</sup>. Seisuga 21.01.2026 oli Lõhmuse III kruusakarjääri mäeeraldisel koorimata plokk 6 ja 7 piires 0,39 ha suurusel alal keskmise paksuse juures 0,4 m katendit (mulda) mahuga 1,560 tuh. m<sup>3</sup> (3900\*0,4). Seega on seisuga 21.01.2026 Lõhmuse III kruusakarjääri mäeeraldise ehitusliiva aktiivse tarbevaru 6. ploki ja ehituskruusa aktiivse tarbevaru 7. ploki jääkvaru maht 91,004 tuh. m<sup>3</sup> (92,564-1,560). Plokk 6 ja 7 on arvele võetud protsentuaalse suhte 46:54 alusel. Seega on seisuga 21.01.2026 Lõhmuse III kruusakarjääri mäeeraldise ehitusliiva aktiivse tarbevaru 6. ploki jääkvaru maht 41,862 tuh. m<sup>3</sup> (91,004\*0,46). Seisuga 21.01.2026 Lõhmuse III kruusakarjääri mäeeraldise ehituskruusa aktiivse tarbevaru 7. ploki jääkvaru maht 49,142 tuh. m<sup>3</sup> (91,004\*0,54).

Seisuga 21.01.2026 Lõhmuse III kruusakarjääri mäeeraldise ehitusliiva aktiivse tarbevaru 9. ploki jääkvaru maht 3,059 tuh. m<sup>3</sup> (94,063-91,004).

**Arvutiprogramm Surfer raport. Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri mäeeraldistel laopuistangutes olev maht seisuga 21.01.2026.**

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### Grid Volume Computations

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#### Upper Surface

Grid File Name: I:\LEPINGUD III\LÕHMUSE MAARDLA\LÕHMUSE III JA LÕHMUSE IV MS  
2026\SURFER 2026\TOPO 2026.grd  
Grid Size: 447 rows x 420 columns  
X Minimum: 637145.88  
X Maximum: 637565.27  
X Spacing: 1.0009307875895  
Y Minimum: 6482882.04  
Y Maximum: 6483327.69  
Y Spacing: 0.99921524663761  
Z Minimum: 33.819039372045  
Z Maximum: 50.322939178998

#### Lower Surface

Grid File Name: I:\LEPINGUD III\LÕHMUSE MAARDLA\LÕHMUSE III JA LÕHMUSE IV MS  
2026\SURFER 2026\TOPO 2026 lad.grd  
Grid Size: 447 rows x 420 columns  
X Minimum: 637145.88  
X Maximum: 637565.27  
X Spacing: 1.0009307875895  
Y Minimum: 6482882.04  
Y Maximum: 6483327.69  
Y Spacing: 0.99921524663761  
Z Minimum: 33.819039372045  
Z Maximum: 50.322939178998

#### Volumes

Z Scale Factor: 1

#### Total Volumes by:

Trapezoidal Rule: 11236.735608019  
Simpson's Rule: 11237.051626374  
Simpson's 3/8 Rule: 11237.477614077

#### Cut & Fill Volumes

Positive Volume [Cut]: 11245.516252399  
Negative Volume [Fill]: 8.7806443803183  
Net Volume [Cut-Fill]: 11236.735608019 **ehk laopuistangute maht kokku on 11,237 tuh. m<sup>3</sup>**

## Mäeeraldise detailandmed

### Kood 1961

**Nimetus** Lõhmuse III kruusakarjäär

**Maardla** 742 - Lõhmuse (Laeva II)

**Seisund** aktiivne

**Asukoht** Tartu maakond Tartu vald

**Kaevandamisloa number** L.MK/332832

**Kaevandamisloa kehtivus** 22.04.2019 - 21.04.2034

**Kaevandamisloa omaja** Moreen OÜ

**Maavara kasutamise eesmärk** teede ehitus, ehitus

**Korrastamissuund** maatulundusmaa ja sihtotstarbeta maa

**Mäeeraldise varu loa vormil** ehituskruus aT 83,30 tuh m3, ehitusliiv aT 76,90 tuh m3

<b>Kasutusala</b>	<b>Max kogus aastas</b>	<b>Kaevandatav varu loa vormil</b>
ehitusliiv	-	68.9
ehituskruus	-	75.3

### Plokid

<b>Registrikaart</b>	<b>Ploki nimi</b>	<b>Kasutusala</b>	<b>Uringuviis</b>	<b>Ploki liik</b>	<b>Jääkvaru kogus</b>
742	6 plokk	ehitusliiv	2005. a määrus nr 44	aT	47.699
742	7 plokk	ehituskruus	2005. a määrus nr 44	aT	56.299
742	9 plokk	ehitusliiv	2005. a määrus nr 44	aT	5.616

## Mäeeraldise detailandmed

### Kood 1760

**Nimetus** Lõhmuse IV liivakarjäär

**Maardla** 742 - Lõhmuse (Laeva II)

**Seisund** aktiivne

**Asukoht** Tartu maakond Tartu vald

**Kaevandamisloa number** L.MK/329705

**Kaevandamisloa kehtivus** 05.09.2017 - 04.09.2032

**Kaevandamisloa omaja** OÜ MOREEN

**Maavara kasutamise eesmärk** teede ehitus, ehitus

**Korrastamissuund** metsamaa

**Mäeeraldise varu loa vormil** ehitusliiv aT 176 tuh m<sup>3</sup>

<b>Kasutusala</b>	<b>Max kogus aastas</b>	<b>Kaevandatav varu loa vormil</b>
ehitusliiv	-	165

### Plokid

<b>Registrikaart</b>	<b>Ploki nimi</b>	<b>Kasutusala</b>	<b>Uringuviis</b>	<b>Ploki liik</b>	<b>Jääkvaru kogus</b>
742	8 plokk	ehitusliiv	2005. a määrus nr 44	aT	41.199

Lisa 6. Lõhmuse III kruusakarjääri ja Lõhmuse IV liivakarjääri mõõdistuspunktid seisuga  
21.01.2026

1	6483098,890	637300,260	38,792	52	6483157,900	637283,220	37,384
2	6483104,040	637298,500	38,581	53	6483160,340	637284,500	37,570
3	6483103,650	637297,440	38,451	54	6483163,050	637285,340	37,850
4	6483103,780	637295,660	38,260	55	6483165,590	637285,420	38,184
5	6483104,090	637293,750	37,875	56	6483167,670	637285,700	38,496
6	6483105,380	637292,040	37,659	57	6483168,600	637285,460	38,601
7	6483107,050	637292,370	37,606	58	6483169,470	637287,490	38,712
8	6483109,090	637291,900	37,671	59	6483169,840	637290,160	38,933
9	6483111,730	637291,750	37,762	60	6483169,030	637292,390	38,782
10	6483113,960	637291,210	37,787	61	6483167,160	637294,820	38,526
11	6483114,490	637291,160	37,727	62	6483165,390	637296,540	39,608
12	6483116,430	637292,560	38,227	63	6483163,660	637292,810	38,595
13	6483116,500	637293,980	38,735	64	6483162,820	637293,670	39,254
14	6483116,120	637295,240	38,691	65	6483158,270	637292,060	38,129
15	6483114,640	637297,380	38,398	66	6483158,800	637293,500	39,245
16	6483112,100	637299,180	38,640	67	6483153,310	637293,590	37,926
17	6483110,520	637299,990	38,800	68	6483153,740	637295,730	39,682
18	6483107,880	637301,060	38,877	69	6483151,490	637292,960	38,103
19	6483106,000	637300,620	38,896	70	6483151,160	637293,970	39,129
20	6483106,860	637298,530	40,487	71	6483148,460	637292,060	37,674
21	6483106,750	637297,920	40,402	72	6483148,270	637293,190	38,793
22	6483108,860	637297,500	40,371	73	6483145,900	637292,240	37,845
23	6483108,740	637296,940	40,375	74	6483146,800	637293,270	38,650
24	6483111,310	637296,650	40,095	75	6483142,540	637289,860	38,040
25	6483111,310	637296,010	40,256	76	6483140,360	637289,360	38,102
26	6483113,100	637295,520	40,055	77	6483139,330	637288,070	38,242
27	6483113,180	637294,860	40,144	78	6483139,670	637285,730	38,054
28	6483114,660	637294,980	39,435	79	6483141,290	637284,760	37,649
29	6483115,040	637294,280	39,474	80	6483142,910	637284,490	37,434
30	6483118,600	637297,310	38,909	81	6483143,940	637285,140	37,667
31	6483119,670	637299,410	38,742	82	6483144,330	637285,600	37,269
32	6483122,300	637301,470	38,560	83	6483144,820	637287,580	37,086
33	6483125,790	637300,020	38,508	84	6483144,470	637288,760	37,742
34	6483129,630	637298,420	38,499	85	6483141,670	637287,990	39,032
35	6483133,070	637297,790	38,336	86	6483141,610	637287,350	38,826
36	6483135,950	637297,640	38,400	87	6483141,220	637287,070	38,944
37	6483139,370	637299,220	38,321	88	6483140,780	637287,370	38,986
38	6483141,560	637298,870	38,151	89	6483145,880	637289,860	37,093
39	6483143,050	637297,900	38,531	90	6483145,470	637288,140	36,871
40	6483143,880	637296,030	38,052	91	6483146,100	637286,620	36,746
41	6483143,680	637293,150	37,676	92	6483147,500	637287,110	36,079
42	6483142,080	637290,500	37,883	93	6483147,460	637288,410	35,349
43	6483139,880	637289,560	38,116	94	6483148,010	637285,630	37,072
44	6483138,430	637287,570	38,043	95	6483149,990	637285,250	37,232
45	6483139,980	637284,810	37,756	96	6483151,660	637286,780	37,357
46	6483142,910	637282,940	37,285	97	6483152,260	637288,190	37,465
47	6483146,040	637283,700	37,302	98	6483150,560	637288,730	36,788
48	6483149,790	637283,710	37,487	99	6483150,130	637287,880	35,607
49	6483152,420	637282,970	37,431	100	6483152,020	637289,240	37,546
50	6483154,700	637282,210	37,375	101	6483151,170	637290,210	37,311
51	6483156,640	637282,280	37,419	102	6483148,580	637291,040	37,179

103	6483154,200	637287,960	37,352	157	6483142,890	637277,320	39,367
104	6483156,620	637287,300	37,473	158	6483139,040	637279,230	39,831
105	6483159,420	637287,520	37,631	159	6483137,580	637281,330	40,197
106	6483162,880	637288,080	37,988	160	6483136,070	637282,750	40,359
107	6483163,710	637288,190	38,067	161	6483134,300	637284,890	40,184
108	6483168,790	637286,260	38,617	162	6483133,300	637286,920	40,513
109	6483168,150	637284,590	38,870	163	6483133,500	637289,330	40,694
110	6483166,690	637283,860	39,050	164	6483134,400	637294,130	41,611
111	6483164,490	637282,670	39,211	165	6483136,140	637294,030	42,132
112	6483162,610	637281,600	39,072	166	6483137,090	637294,360	42,134
113	6483160,760	637279,010	39,354	167	6483137,270	637294,880	42,198
114	6483161,570	637278,480	39,533	168	6483138,570	637295,610	41,950
115	6483163,880	637277,630	39,728	169	6483134,220	637294,500	41,710
116	6483166,150	637275,920	39,435	170	6483134,050	637293,830	41,689
117	6483167,510	637272,210	39,044	171	6483130,660	637294,700	41,964
118	6483166,200	637269,520	38,625	172	6483130,810	637294,330	41,909
119	6483164,610	637267,390	38,119	173	6483128,430	637294,110	41,890
120	6483162,510	637266,170	38,052	174	6483128,480	637294,750	42,206
121	6483159,190	637265,350	37,808	175	6483127,050	637294,410	42,349
122	6483156,030	637264,840	37,701	176	6483127,350	637294,880	42,290
123	6483153,320	637264,470	37,729	177	6483125,950	637295,430	42,528
124	6483149,770	637264,060	37,905	178	6483129,680	637292,460	40,833
125	6483148,550	637264,060	37,965	179	6483128,880	637292,020	40,939
126	6483146,150	637264,780	38,292	180	6483126,910	637291,150	40,465
127	6483145,400	637266,780	38,893	181	6483124,470	637291,930	40,226
128	6483144,970	637268,620	39,251	182	6483122,740	637292,950	39,286
129	6483144,830	637270,310	39,386	183	6483121,260	637294,300	38,946
130	6483144,770	637271,710	39,823	184	6483120,780	637295,350	39,215
131	6483144,440	637273,610	39,930	185	6483121,890	637291,350	39,507
132	6483144,860	637275,830	39,791	186	6483124,460	637290,540	40,330
133	6483144,570	637277,120	39,581	187	6483125,950	637290,950	40,561
134	6483146,260	637278,520	39,128	188	6483125,910	637288,380	41,060
135	6483148,870	637279,300	39,180	189	6483125,760	637286,900	41,076
136	6483150,960	637279,090	39,570	190	6483127,920	637286,960	41,018
137	6483149,630	637276,320	40,084	191	6483129,680	637284,640	40,717
138	6483148,880	637275,020	40,461	192	6483127,750	637283,180	40,969
139	6483149,050	637273,370	40,458	193	6483125,870	637282,850	41,134
140	6483149,620	637269,950	39,581	194	6483125,570	637281,410	40,356
141	6483152,080	637269,520	39,577	195	6483123,490	637280,560	39,741
142	6483152,900	637269,580	39,866	196	6483121,180	637280,370	38,877
143	6483152,550	637272,320	41,185	197	6483122,000	637278,230	38,732
144	6483153,910	637273,560	41,350	198	6483122,250	637277,580	38,858
145	6483154,750	637274,850	41,425	199	6483124,960	637277,460	38,708
146	6483156,760	637274,820	40,921	200	6483124,790	637276,620	39,099
147	6483158,920	637275,050	40,748	201	6483126,700	637280,600	41,166
148	6483160,940	637275,490	41,164	202	6483126,770	637280,090	41,023
149	6483162,900	637273,870	40,998	203	6483128,330	637280,290	41,104
150	6483163,080	637272,700	41,287	204	6483128,980	637279,930	41,121
151	6483162,430	637271,610	41,028	205	6483128,270	637277,600	39,911
152	6483159,540	637271,080	40,913	206	6483128,470	637276,570	39,853
153	6483159,150	637272,640	41,055	207	6483130,380	637276,180	40,186
154	6483156,810	637273,030	41,306	208	6483131,120	637277,290	40,186
155	6483156,500	637271,970	41,298	209	6483132,150	637279,320	41,033
156	6483154,620	637272,050	41,151	210	6483133,840	637279,700	40,606

211	6483134,830	637278,050	40,155	265	6483118,920	637255,630	38,365
212	6483133,940	637275,100	39,994	266	6483118,860	637254,260	37,975
213	6483137,240	637274,840	39,832	267	6483117,210	637251,480	37,266
214	6483138,790	637273,620	39,844	268	6483114,980	637250,430	37,192
215	6483139,530	637272,440	39,659	269	6483112,290	637249,940	37,285
216	6483135,660	637270,760	40,001	270	6483110,700	637249,690	37,355
217	6483132,650	637270,080	41,277	271	6483108,060	637250,240	37,863
218	6483132,470	637271,290	41,557	272	6483106,640	637251,500	37,994
219	6483134,870	637268,180	39,924	273	6483105,880	637253,930	38,989
220	6483132,110	637265,240	39,040	274	6483105,480	637254,230	39,051
221	6483140,210	637263,070	38,553	275	6483103,820	637256,940	39,001
222	6483142,620	637263,490	38,586	276	6483102,810	637257,000	39,043
223	6483145,420	637261,360	37,731	277	6483102,330	637258,670	38,920
224	6483143,260	637259,920	37,589	278	6483100,300	637260,290	39,060
225	6483139,260	637258,420	37,414	279	6483098,360	637260,780	39,213
226	6483135,730	637257,180	37,429	280	6483096,400	637261,800	39,269
227	6483133,330	637256,920	37,484	281	6483095,560	637264,310	39,248
228	6483128,420	637257,500	37,863	282	6483095,860	637266,160	39,320
229	6483127,700	637259,310	38,590	283	6483098,640	637268,050	39,293
230	6483127,670	637262,620	39,238	284	6483098,320	637266,320	40,609
231	6483126,920	637264,120	40,187	285	6483098,630	637264,780	40,693
232	6483127,760	637267,480	41,082	286	6483100,220	637263,580	40,280
233	6483127,360	637268,810	41,552	287	6483101,890	637267,080	40,098
234	6483127,400	637271,740	41,452	288	6483103,730	637266,850	40,582
235	6483123,140	637272,600	41,808	289	6483101,170	637258,000	38,897
236	6483123,420	637270,700	41,589	290	6483099,900	637257,420	39,276
237	6483120,910	637271,960	41,164	291	6483098,360	637257,340	38,940
238	6483120,680	637272,540	41,203	292	6483096,380	637256,880	38,725
239	6483119,100	637270,500	40,039	293	6483094,790	637257,120	38,897
240	6483116,780	637271,990	40,911	294	6483092,290	637260,130	38,845
241	6483117,040	637271,760	40,821	295	6483090,330	637263,340	38,817
242	6483117,540	637270,190	40,280	296	6483087,990	637266,010	38,309
243	6483113,270	637271,790	40,686	297	6483087,430	637266,600	38,257
244	6483111,410	637271,980	40,114	298	6483078,850	637286,180	38,280
245	6483110,090	637271,850	40,352	299	6483082,000	637282,510	37,973
246	6483112,320	637270,260	41,060	300	6483084,510	637279,880	37,895
247	6483112,540	637269,170	41,264	301	6483086,600	637277,130	38,002
248	6483109,590	637268,270	41,254	302	6483088,520	637274,450	38,109
249	6483110,440	637267,750	41,195	303	6483091,910	637270,030	38,143
250	6483107,150	637266,170	41,028	304	6483095,940	637269,630	38,418
251	6483108,350	637266,000	41,416	305	6483096,990	637270,800	38,350
252	6483107,830	637262,980	41,632	306	6483100,200	637271,740	38,572
253	6483108,250	637261,000	41,398	307	6483103,070	637272,830	38,633
254	6483109,090	637258,850	41,257	308	6483105,620	637274,020	38,582
255	6483110,400	637258,680	41,473	309	6483104,060	637274,660	38,596
256	6483111,540	637260,840	41,096	310	6483101,850	637275,790	38,628
257	6483112,170	637264,050	40,576	311	6483099,760	637276,480	38,444
258	6483111,900	637264,580	40,487	312	6483097,240	637277,480	37,981
259	6483118,370	637267,020	39,814	313	6483095,290	637279,040	37,996
260	6483120,350	637266,650	39,708	314	6483093,260	637283,680	37,735
261	6483123,180	637264,170	39,596	315	6483093,530	637284,840	37,590
262	6483120,450	637261,000	38,932	316	6483095,490	637283,890	37,140
263	6483117,860	637260,870	39,144	317	6483098,760	637282,690	37,067
264	6483118,090	637258,810	38,800	318	6483102,600	637280,500	37,009

319	6483105,920	637278,660	37,111	373	6483167,100	637307,150	37,746
320	6483108,640	637277,470	37,303	374	6483165,090	637305,040	37,870
321	6483111,650	637276,960	37,425	375	6483161,480	637301,960	38,049
322	6483115,420	637277,360	38,060	376	6483157,660	637314,080	38,843
323	6483115,020	637279,270	37,585	377	6483160,490	637316,030	39,054
324	6483119,110	637280,080	37,926	378	6483161,190	637313,270	37,246
325	6483119,990	637278,210	38,452	379	6483165,670	637311,560	36,445
326	6483120,120	637281,510	37,817	380	6483166,160	637310,090	36,237
327	6483120,700	637282,860	37,592	381	6483165,060	637307,920	36,327
328	6483121,330	637285,710	37,681	382	6483154,330	637311,100	38,227
329	6483120,250	637287,480	37,644	383	6483153,750	637312,050	39,016
330	6483117,850	637288,550	37,746	384	6483149,880	637309,900	38,343
331	6483113,200	637285,140	37,754	385	6483149,360	637310,410	38,882
332	6483111,150	637284,750	37,628	386	6483145,500	637308,380	38,623
333	6483107,260	637284,950	37,444	387	6483147,320	637306,890	38,151
334	6483106,270	637283,480	37,321	388	6483152,160	637306,130	38,096
335	6483103,610	637284,670	37,131	389	6483154,670	637305,660	37,886
336	6483101,010	637289,230	37,266	390	6483155,380	637304,270	38,127
337	6483097,860	637293,120	38,151	391	6483143,190	637310,550	38,725
338	6483094,290	637293,120	38,459	392	6483146,090	637312,590	38,616
339	6483090,630	637291,800	38,377	393	6483148,870	637314,340	38,673
340	6483087,500	637290,390	38,330	394	6483151,670	637315,940	38,870
341	6483083,690	637289,700	38,362	395	6483154,300	637317,920	39,003
342	6483102,680	637306,380	39,663	396	6483156,780	637320,500	39,096
343	6483105,460	637307,170	39,692	397	6483161,940	637319,080	39,160
344	6483109,950	637306,880	39,659	398	6483163,550	637318,860	39,109
345	6483114,120	637306,250	39,568	399	6483167,470	637319,090	39,282
346	6483116,030	637302,960	38,786	400	6483169,060	637301,480	39,891
347	6483119,460	637303,540	38,910	401	6483167,660	637299,320	39,502
348	6483120,500	637305,770	39,114	402	6483168,390	637298,060	39,203
349	6483124,070	637306,300	38,998	403	6483170,700	637298,160	39,096
350	6483128,850	637306,560	38,798	404	6483173,290	637299,080	40,009
351	6483129,630	637303,690	38,453	405	6483176,980	637298,090	40,043
352	6483133,150	637302,830	38,436	406	6483178,850	637295,640	39,915
353	6483134,710	637305,530	38,629	407	6483179,130	637293,230	39,706
354	6483137,820	637306,740	38,704	408	6483177,600	637290,860	39,700
355	6483140,400	637305,830	38,589	409	6483174,710	637289,610	39,695
356	6483143,120	637304,360	38,472	410	6483172,490	637291,040	39,608
357	6483144,910	637301,410	38,338	411	6483174,030	637294,700	41,706
358	6483147,370	637301,730	38,189	412	6483174,550	637295,050	42,036
359	6483151,600	637300,860	38,059	413	6483175,550	637294,430	41,791
360	6483154,170	637299,180	38,058	414	6483175,670	637294,040	42,044
361	6483156,750	637297,830	37,827	415	6483179,880	637291,380	39,728
362	6483158,760	637297,230	37,738	416	6483189,800	637293,600	39,461
363	6483161,790	637298,250	37,683	417	6483191,710	637293,300	39,465
364	6483163,910	637300,710	37,930	418	6483193,540	637293,700	39,639
365	6483165,370	637302,470	37,924	419	6483194,670	637295,540	39,695
366	6483167,430	637305,460	37,723	420	6483194,510	637298,050	39,761
367	6483166,650	637317,170	38,266	421	6483192,580	637299,040	39,922
368	6483162,540	637317,480	38,894	422	6483190,430	637297,540	39,850
369	6483163,290	637316,480	38,609	423	6483192,270	637295,980	41,256
370	6483166,860	637315,740	38,089	424	6483192,410	637296,300	41,360
371	6483168,430	637313,500	38,067	425	6483192,380	637296,640	41,364
372	6483168,560	637310,630	38,038	426	6483195,590	637296,430	39,583

427	6483195,810	637296,920	39,756	481	6483189,020	637322,740	40,708
428	6483196,830	637297,740	39,845	482	6483187,100	637323,350	40,847
429	6483199,220	637298,410	39,747	483	6483175,770	637325,110	41,238
430	6483198,260	637296,380	37,976	484	6483175,390	637327,550	41,314
431	6483198,840	637296,160	37,662	485	6483177,210	637330,320	42,919
432	6483201,370	637296,270	39,571	486	6483177,750	637331,760	42,772
433	6483201,240	637293,570	39,043	487	6483175,850	637333,990	42,996
434	6483199,830	637291,310	38,967	488	6483174,340	637333,680	43,059
435	6483199,290	637293,390	37,401	489	6483172,660	637336,140	43,231
436	6483198,010	637293,380	37,568	490	6483174,040	637337,730	43,273
437	6483197,550	637291,260	39,127	491	6483172,270	637338,520	43,300
438	6483196,320	637291,790	39,235	492	6483171,820	637339,290	43,583
439	6483196,490	637290,860	39,219	493	6483172,430	637340,050	43,321
440	6483196,160	637290,230	39,317	494	6483177,300	637338,580	44,816
441	6483195,300	637288,390	38,921	495	6483178,330	637337,260	44,711
442	6483196,810	637286,700	38,727	496	6483178,520	637337,050	45,008
443	6483199,120	637286,510	38,635	497	6483178,900	637336,540	44,584
444	6483200,840	637287,990	38,903	498	6483179,250	637337,940	44,456
445	6483200,710	637289,440	39,152	499	6483178,310	637340,140	44,696
446	6483198,810	637289,860	39,263	500	6483177,060	637340,500	45,067
447	6483197,040	637289,180	39,881	501	6483176,120	637340,950	44,913
448	6483198,290	637288,880	40,062	502	6483178,630	637342,650	44,152
449	6483201,920	637291,700	39,103	503	6483179,220	637342,110	44,182
450	6483202,890	637290,960	39,116	504	6483182,600	637343,840	43,275
451	6483205,790	637290,280	38,829	505	6483183,150	637343,790	43,582
452	6483208,310	637293,180	39,042	506	6483185,930	637345,480	43,204
453	6483208,070	637295,130	39,234	507	6483186,370	637345,050	43,382
454	6483206,890	637296,580	39,367	508	6483188,510	637346,320	43,205
455	6483205,630	637297,390	39,597	509	6483189,110	637346,050	43,490
456	6483203,000	637297,220	39,720	510	6483190,400	637346,230	43,176
457	6483204,070	637294,890	40,693	511	6483190,700	637347,150	43,212
458	6483204,040	637294,270	40,844	512	6483190,200	637348,240	43,447
459	6483204,490	637294,170	40,915	513	6483192,190	637349,200	42,980
460	6483204,460	637294,890	40,751	514	6483194,740	637348,960	43,148
461	6483191,570	637299,510	39,797	515	6483194,240	637346,300	43,064
462	6483192,370	637300,580	39,843	516	6483195,660	637346,440	42,974
463	6483193,750	637303,200	39,970	517	6483198,120	637345,910	42,750
464	6483193,280	637305,580	40,133	518	6483199,530	637346,170	42,717
465	6483180,370	637302,590	40,372	519	6483199,120	637347,350	42,642
466	6483179,370	637300,160	40,064	520	6483198,850	637350,320	42,743
467	6483180,710	637297,150	40,112	521	6483197,000	637350,990	42,749
468	6483175,300	637300,630	40,239	522	6483194,500	637351,980	42,784
469	6483182,780	637296,280	39,815	523	6483190,920	637352,450	43,283
470	6483185,670	637297,470	39,915	524	6483190,050	637354,460	43,727
471	6483188,780	637298,930	39,871	525	6483190,020	637356,340	44,165
472	6483183,420	637300,380	42,571	526	6483191,050	637358,410	44,062
473	6483182,960	637300,800	42,590	527	6483191,230	637360,370	42,998
474	6483183,480	637301,960	42,501	528	6483191,520	637362,460	42,948
475	6483185,700	637302,960	42,634	529	6483191,320	637364,260	43,090
476	6483186,220	637302,500	42,865	530	6483191,620	637366,280	43,393
477	6483188,270	637303,520	42,779	531	6483192,350	637364,990	43,203
478	6483188,550	637303,000	42,941	532	6483192,610	637363,520	43,015
479	6483188,900	637302,950	42,756	533	6483193,960	637359,940	44,117
480	6483189,150	637303,660	43,068	534	6483194,360	637361,190	44,435

535	6483194,250	637364,000	44,687	589	6483205,030	637363,670	41,945
536	6483193,600	637366,380	45,133	590	6483209,550	637364,790	41,600
537	6483193,610	637368,740	45,527	591	6483209,130	637369,310	41,959
538	6483193,030	637371,580	45,904	592	6483205,640	637368,230	42,168
539	6483192,520	637372,250	45,988	593	6483204,340	637371,170	42,493
540	6483194,560	637372,150	46,047	594	6483202,860	637372,920	42,770
541	6483196,610	637372,070	45,822	595	6483200,930	637373,750	42,977
542	6483198,430	637371,700	45,831	596	6483197,760	637374,910	43,321
543	6483196,720	637370,820	45,894	597	6483195,070	637375,120	43,415
544	6483198,860	637368,720	45,381	598	6483192,450	637375,030	43,781
545	6483199,410	637365,930	45,364	599	6483190,570	637374,060	44,093
546	6483197,350	637366,490	45,154	600	6483189,930	637372,490	43,448
547	6483199,470	637363,670	45,703	601	6483190,050	637373,110	44,068
548	6483199,820	637363,150	45,556	602	6483189,830	637370,310	42,561
549	6483197,440	637363,660	44,997	603	6483190,300	637370,410	42,747
550	6483196,570	637362,710	44,193	604	6483190,230	637370,910	43,749
551	6483198,130	637360,420	44,189	605	6483189,650	637366,880	41,542
552	6483199,850	637360,140	43,897	606	6483189,970	637366,770	41,762
553	6483199,340	637358,520	43,811	607	6483188,840	637363,030	40,907
554	6483197,350	637356,880	44,087	608	6483188,910	637362,880	41,058
555	6483196,580	637358,310	44,081	609	6483186,930	637359,720	41,270
556	6483195,000	637357,950	43,969	610	6483187,000	637359,200	41,334
557	6483194,340	637356,570	43,769	611	6483185,830	637356,250	41,173
558	6483195,790	637353,950	43,311	612	6483186,050	637356,200	41,314
559	6483197,950	637355,340	42,645	613	6483185,810	637353,410	40,985
560	6483199,160	637354,280	42,370	614	6483185,880	637353,070	41,088
561	6483199,810	637352,670	41,888	615	6483184,820	637350,580	40,664
562	6483202,130	637355,740	41,608	616	6483184,950	637350,310	40,693
563	6483203,110	637354,690	41,449	617	6483183,030	637348,410	40,471
564	6483203,120	637351,990	40,957	618	6483183,200	637347,930	40,496
565	6483203,380	637349,260	40,924	619	6483184,660	637347,870	41,155
566	6483203,930	637345,890	40,742	620	6483185,760	637348,820	41,623
567	6483202,640	637342,810	40,635	621	6483186,630	637350,410	41,822
568	6483199,590	637341,280	40,830	622	6483186,850	637352,120	41,978
569	6483195,900	637340,650	40,943	623	6483187,870	637351,680	41,769
570	6483192,620	637341,730	41,258	624	6483187,690	637349,360	41,585
571	6483189,480	637341,580	41,447	625	6483186,670	637348,030	41,221
572	6483186,760	637341,770	41,644	626	6483181,420	637347,530	40,706
573	6483184,950	637340,650	41,594	627	6483174,000	637345,640	40,194
574	6483184,840	637338,500	41,586	628	6483173,550	637346,280	40,249
575	6483183,910	637334,600	41,433	629	6483171,300	637347,230	40,187
576	6483181,980	637331,790	41,461	630	6483168,860	637348,580	40,258
577	6483179,990	637330,230	41,576	631	6483167,250	637353,710	40,319
578	6483184,040	637328,290	41,289	632	6483167,720	637359,130	40,399
579	6483188,990	637326,960	40,777	633	6483167,170	637364,510	40,480
580	6483190,300	637332,810	40,797	634	6483165,930	637368,600	40,286
581	6483198,550	637333,270	40,535	635	6483166,390	637372,520	40,305
582	6483203,780	637337,190	40,511	636	6483168,920	637377,190	40,308
583	6483207,060	637341,340	40,498	637	6483172,110	637380,640	40,272
584	6483209,210	637346,560	40,552	638	6483175,170	637383,470	40,306
585	6483207,610	637350,290	40,751	639	6483176,680	637384,460	40,191
586	6483209,720	637354,210	40,789	640	6483177,360	637387,440	40,119
587	6483210,170	637358,360	41,130	641	6483179,590	637390,550	40,233
588	6483205,700	637359,780	41,485	642	6483179,910	637393,240	40,006

643	6483183,980	637397,550	39,734	697	6483177,550	637458,090	47,821
644	6483185,270	637393,820	40,867	698	6483171,040	637457,210	48,011
645	6483182,020	637379,540	44,284	699	6483162,510	637457,370	48,396
646	6483179,690	637377,230	44,943	700	6483162,000	637464,420	49,192
647	6483177,870	637375,020	45,497	701	6483162,330	637456,060	47,704
648	6483177,030	637373,320	46,063	702	6483164,790	637452,950	47,852
649	6483176,490	637371,290	46,459	703	6483165,060	637452,140	48,670
650	6483178,010	637367,450	46,652	704	6483170,810	637455,100	48,146
651	6483178,250	637369,430	46,676	705	6483171,670	637454,810	48,573
652	6483179,630	637368,150	47,115	706	6483174,660	637455,820	48,045
653	6483181,470	637367,300	47,248	707	6483175,530	637455,890	48,424
654	6483180,360	637367,150	47,280	708	6483179,250	637455,730	47,847
655	6483182,360	637368,160	46,872	709	6483182,140	637455,560	47,538
656	6483179,960	637369,710	46,360	710	6483189,180	637456,300	47,256
657	6483180,150	637372,490	45,718	711	6483193,700	637457,470	46,988
658	6483182,210	637372,140	45,532	712	6483218,510	637462,670	46,107
659	6483184,850	637370,590	45,527	713	6483164,990	637446,610	48,186
660	6483187,520	637372,400	44,520	714	6483161,830	637449,030	49,080
661	6483186,340	637374,390	44,468	715	6483161,700	637447,230	49,088
662	6483184,600	637377,140	44,343	716	6483161,650	637445,230	48,999
663	6483187,330	637378,900	43,771	717	6483156,670	637443,560	49,250
664	6483190,080	637376,170	44,010	718	6483155,300	637444,570	49,323
665	6483192,880	637407,150	39,657	719	6483155,010	637447,000	49,253
666	6483190,300	637405,250	39,262	720	6483149,160	637446,560	49,064
667	6483187,920	637401,630	39,626	721	6483148,300	637445,420	49,155
668	6483185,750	637399,000	39,623	722	6483148,250	637443,110	49,256
669	6483181,380	637400,110	39,771	723	6483140,940	637442,170	49,051
670	6483183,320	637403,840	39,686	724	6483140,900	637444,750	49,006
671	6483186,870	637406,320	39,487	725	6483136,250	637445,560	48,722
672	6483187,430	637409,300	39,547	726	6483135,050	637443,320	49,012
673	6483189,870	637411,310	39,930	727	6483131,610	637446,650	48,963
674	6483191,680	637410,140	39,999	728	6483155,620	637451,530	47,779
675	6483207,740	637393,020	42,131	729	6483151,110	637450,030	47,598
676	6483214,410	637390,520	41,702	730	6483144,430	637448,190	47,651
677	6483203,470	637374,330	42,793	731	6483140,160	637447,480	47,870
678	6483203,300	637374,100	43,018	732	6483136,910	637447,320	47,665
679	6483207,960	637376,880	42,424	733	6483134,770	637447,690	47,827
680	6483221,850	637383,350	41,525	734	6483086,320	637452,560	46,380
681	6483223,130	637380,760	41,575	735	6483082,880	637454,320	45,757
682	6483222,580	637377,570	41,390	736	6483085,660	637456,610	46,079
683	6483223,990	637373,970	41,132	737	6483084,570	637460,200	45,559
684	6483225,060	637370,780	40,887	738	6483082,590	637459,380	45,396
685	6483220,970	637367,520	40,793	739	6483081,330	637458,490	45,370
686	6483220,710	637364,680	40,631	740	6483078,860	637461,230	44,492
687	6483226,680	637368,300	40,615	741	6483078,940	637463,290	44,595
688	6483225,140	637383,330	41,911	742	6483081,640	637465,160	44,929
689	6483242,640	637387,650	42,033	743	6483086,200	637465,650	44,532
690	6483227,590	637470,040	46,895	744	6483088,320	637463,330	44,318
691	6483218,960	637466,850	47,025	745	6483089,880	637458,730	44,672
692	6483211,420	637464,160	47,146	746	6483090,130	637454,470	44,900
693	6483204,860	637461,670	47,178	747	6483096,650	637456,530	45,210
694	6483198,370	637459,300	47,304	748	6483094,790	637461,390	44,966
695	6483191,720	637458,820	47,398	749	6483091,170	637465,580	44,750
696	6483185,980	637458,280	47,589	750	6483087,490	637467,860	44,485

751	6483083,740	637468,930	44,605	805	6483123,430	637369,960	40,639
752	6483080,130	637468,410	44,686	806	6483123,650	637366,800	40,385
753	6483077,150	637466,960	44,386	807	6483121,740	637361,620	39,952
754	6483075,110	637464,560	44,139	808	6483119,460	637359,040	39,896
755	6483077,670	637462,940	44,416	809	6483119,210	637357,010	40,248
756	6483077,930	637458,510	43,581	810	6483118,220	637355,900	40,168
757	6483078,240	637454,680	43,238	811	6483114,200	637354,690	42,116
758	6483079,060	637449,110	43,433	812	6483115,960	637361,430	42,390
759	6483079,460	637445,650	43,446	813	6483097,400	637369,160	42,345
760	6483080,930	637440,220	43,308	814	6483108,730	637354,970	41,754
761	6483081,510	637435,390	43,420	815	6483111,130	637354,550	41,705
762	6483082,530	637430,260	43,490	816	6483108,260	637353,030	41,801
763	6483083,400	637425,850	43,483	817	6483105,830	637352,270	41,758
764	6483084,410	637422,210	43,402	818	6483103,630	637352,450	41,820
765	6483085,620	637418,740	43,385	819	6483104,140	637354,750	41,670
766	6483087,090	637414,820	43,437	820	6483101,690	637353,320	41,762
767	6483088,390	637411,340	43,455	821	6483100,780	637351,280	41,708
768	6483089,270	637408,600	43,588	822	6483108,180	637347,760	46,826
769	6483087,670	637405,690	43,357	823	6483109,940	637346,760	47,262
770	6483086,180	637401,200	43,302	824	6483111,330	637346,870	47,221
771	6483085,800	637396,860	43,128	825	6483114,850	637348,830	47,324
772	6483086,870	637393,600	42,975	826	6483114,130	637347,530	47,432
773	6483087,950	637390,170	42,779	827	6483113,320	637345,250	47,251
774	6483090,240	637387,430	42,595	828	6483111,770	637343,690	47,979
775	6483092,970	637384,500	42,538	829	6483110,780	637343,750	48,122
776	6483094,600	637382,620	42,802	830	6483110,920	637344,550	48,006
777	6483094,080	637379,200	42,632	831	6483110,870	637345,470	47,489
778	6483094,370	637376,500	42,504	832	6483105,350	637313,180	40,031
779	6483095,290	637374,570	42,552	833	6483107,050	637315,320	39,745
780	6483097,400	637373,200	42,573	834	6483108,490	637317,030	39,545
781	6483099,220	637372,500	42,517	835	6483107,450	637319,850	39,430
782	6483101,540	637372,710	42,467	836	6483108,790	637335,370	39,326
783	6483103,050	637373,590	42,539	837	6483115,410	637334,610	39,536
784	6483104,240	637375,510	42,836	838	6483114,260	637331,900	39,536
785	6483106,530	637375,390	42,822	839	6483111,630	637328,850	39,358
786	6483110,330	637377,300	42,535	840	6483113,730	637323,410	39,547
787	6483113,210	637377,470	42,507	841	6483116,560	637325,660	39,357
788	6483113,960	637374,600	43,170	842	6483119,360	637328,410	39,338
789	6483110,820	637374,410	43,475	843	6483121,240	637331,040	39,248
790	6483107,810	637373,500	43,457	844	6483122,970	637333,240	39,327
791	6483106,260	637372,580	42,747	845	6483121,570	637337,110	39,521
792	6483108,640	637369,870	43,068	846	6483124,090	637339,680	39,602
793	6483108,060	637368,830	42,728	847	6483127,070	637338,590	39,544
794	6483109,860	637370,660	42,934	848	6483130,640	637340,620	39,639
795	6483112,850	637372,240	43,028	849	6483127,970	637343,600	39,634
796	6483113,860	637370,170	42,900	850	6483127,210	637344,630	39,688
797	6483112,050	637369,110	42,977	851	6483125,680	637347,280	40,141
798	6483109,650	637366,970	42,762	852	6483124,360	637349,060	40,134
799	6483112,260	637366,580	42,466	853	6483123,000	637351,080	39,861
800	6483113,720	637366,770	42,909	854	6483120,820	637353,490	40,318
801	6483116,280	637364,110	42,401	855	6483129,270	637344,790	39,819
802	6483117,780	637363,860	42,541	856	6483132,410	637343,560	39,864
803	6483119,070	637365,360	42,577	857	6483134,420	637345,560	39,950
804	6483122,280	637370,740	40,638	858	6483133,710	637346,460	40,075

859	6483135,060	637349,000	40,034	913	6483170,520	637401,080	39,878
860	6483136,600	637351,120	39,920	914	6483167,110	637400,500	40,153
861	6483138,550	637351,600	40,016	915	6483158,900	637403,550	40,145
862	6483141,250	637353,830	39,970	916	6483157,070	637405,630	40,142
863	6483139,930	637354,480	39,930	917	6483156,090	637407,880	40,175
864	6483141,090	637356,680	39,971	918	6483155,340	637410,330	40,245
865	6483143,190	637359,160	40,033	919	6483153,260	637411,170	40,233
866	6483144,950	637359,070	40,152	920	6483150,140	637411,400	40,098
867	6483147,690	637360,280	40,190	921	6483147,620	637411,630	40,148
868	6483145,990	637360,710	40,099	922	6483145,370	637410,830	40,145
869	6483145,090	637362,850	40,263	923	6483143,720	637407,400	39,976
870	6483144,950	637364,590	40,260	924	6483141,510	637404,690	40,015
871	6483145,640	637366,990	40,208	925	6483139,590	637401,870	40,063
872	6483147,130	637368,620	40,153	926	6483143,170	637402,560	40,188
873	6483149,510	637369,600	40,287	927	6483146,400	637403,070	39,993
874	6483135,090	637405,840	40,026	928	6483149,370	637402,180	40,065
875	6483137,010	637407,860	40,085	929	6483152,390	637401,210	40,224
876	6483167,910	637418,700	40,302	930	6483154,920	637400,120	40,170
877	6483169,680	637416,470	40,460	931	6483167,490	637393,870	40,227
878	6483180,000	637409,330	39,477	932	6483169,230	637392,110	40,097
879	6483179,700	637413,450	39,790	933	6483171,600	637390,440	40,041
880	6483179,740	637416,870	39,900	934	6483170,750	637385,590	40,052
881	6483179,410	637420,610	39,634	935	6483167,950	637384,710	40,343
882	6483178,540	637423,340	39,567	936	6483161,070	637382,050	40,153
883	6483188,600	637427,990	39,404	937	6483163,260	637379,350	40,160
884	6483190,110	637425,460	39,321	938	6483163,500	637373,330	40,179
885	6483191,670	637422,890	39,302	939	6483160,130	637372,500	40,313
886	6483193,140	637419,960	39,411	940	6483156,060	637370,660	40,220
887	6483193,110	637418,160	39,525	941	6483158,250	637367,970	40,236
888	6483191,900	637414,950	39,306	942	6483161,630	637366,990	40,176
889	6483190,180	637412,900	39,403	943	6483164,700	637364,390	40,240
890	6483188,130	637410,320	39,567	944	6483163,090	637362,590	40,214
891	6483187,250	637411,090	39,566	945	6483159,390	637362,690	40,175
892	6483187,150	637415,700	39,430	946	6483156,790	637363,000	40,216
893	6483187,030	637420,190	39,390	947	6483153,390	637364,330	40,192
894	6483185,600	637423,960	39,254	948	6483149,960	637363,060	40,123
895	6483183,640	637420,680	39,540	949	6483151,920	637360,180	40,338
896	6483184,000	637415,710	39,721	950	6483151,070	637357,970	40,271
897	6483184,140	637412,000	39,558	951	6483148,590	637356,890	40,106
898	6483182,410	637406,940	39,566	952	6483145,050	637355,130	40,094
899	6483180,260	637403,460	39,923	953	6483142,260	637352,010	39,977
900	6483177,900	637402,680	39,898	954	6483140,140	637349,280	40,058
901	6483175,180	637401,840	39,952	955	6483138,280	637346,740	39,950
902	6483169,190	637404,590	40,101	956	6483136,180	637343,800	39,823
903	6483166,860	637405,670	40,034	957	6483133,490	637340,350	39,620
904	6483164,030	637406,860	40,216	958	6483131,180	637336,560	39,519
905	6483161,260	637407,980	40,176	959	6483128,480	637332,900	39,438
906	6483160,450	637410,520	40,107	960	6483125,890	637329,820	39,297
907	6483160,770	637413,510	40,070	961	6483123,520	637326,260	39,293
908	6483164,560	637417,350	40,079	962	6483121,410	637323,190	39,329
909	6483167,480	637416,440	40,307	963	6483119,680	637320,790	39,374
910	6483169,050	637415,120	40,504	964	6483119,750	637318,090	39,409
911	6483170,330	637412,900	40,787	965	6483120,990	637314,800	39,254
912	6483171,770	637410,470	40,494	966	6483122,080	637312,240	39,305

967	6483123,450	637310,700	39,255	1021	6483157,410	637328,280	39,648
968	6483125,550	637310,420	38,994	1022	6483158,640	637331,010	39,776
969	6483127,910	637312,190	38,776	1023	6483159,550	637334,050	39,861
970	6483129,490	637313,820	38,826	1024	6483160,000	637337,670	40,016
971	6483131,170	637316,230	38,800	1025	6483160,480	637341,290	40,147
972	6483131,310	637318,550	38,850	1026	6483160,770	637344,270	40,062
973	6483132,880	637317,980	39,022	1027	6483163,340	637346,630	40,231
974	6483135,210	637316,240	39,028	1028	6483164,110	637350,480	40,086
975	6483139,080	637317,380	39,034	1029	6483163,720	637353,200	40,165
976	6483139,710	637319,820	39,074	1030	6483161,390	637355,050	40,285
977	6483133,270	637321,130	39,219	1031	6483159,760	637350,110	40,223
978	6483134,710	637323,340	38,617	1032	6483159,010	637350,550	40,386
979	6483137,800	637325,030	39,210	1033	6483158,050	637352,150	40,463
980	6483140,120	637326,030	39,258	1034	6483155,930	637354,720	40,304
981	6483142,270	637326,480	39,222	1035	6483153,240	637356,230	40,370
982	6483144,070	637325,200	39,212	1036	6483123,930	637308,870	39,259
983	6483144,750	637323,250	38,979	1037	6483120,610	637309,990	39,316
984	6483143,390	637321,270	38,986	1038	6483117,080	637311,100	39,507
985	6483145,850	637320,230	38,870	1039	6483113,500	637310,900	39,494
986	6483147,870	637320,140	38,921	1040	6483109,570	637310,250	39,684
987	6483148,450	637316,420	38,732	1041	6483105,960	637309,810	39,651
988	6483144,310	637315,010	38,780	1042	6483075,310	637271,720	35,253
989	6483142,190	637314,460	38,558	1043	6483085,540	637254,120	35,405
990	6483139,070	637312,480	38,624	1044	6483082,940	637252,070	35,332
991	6483134,320	637311,010	38,753	1045	6483080,940	637249,920	35,432
992	6483142,170	637311,970	38,647	1046	6483079,150	637248,380	35,403
993	6483146,320	637314,040	38,877	1047	6483076,530	637249,130	35,085
994	6483149,600	637315,280	38,939	1048	6483075,510	637250,880	35,151
995	6483148,580	637318,770	38,876	1049	6483074,390	637252,900	35,549
996	6483150,210	637319,980	39,074	1050	6483076,770	637256,260	35,569
997	6483153,140	637321,760	39,184	1051	6483078,690	637257,590	35,487
998	6483153,980	637323,620	39,314	1052	6483078,640	637261,160	35,477
999	6483156,410	637323,450	39,327	1053	6483076,270	637263,500	35,355
1000	6483159,180	637323,170	39,415	1054	6483073,040	637265,920	35,455
1001	6483161,780	637322,810	39,329	1055	6483071,170	637267,830	35,412
1002	6483164,300	637322,560	39,330	1056	6483067,930	637266,750	35,401
1003	6483166,820	637322,540	39,341	1057	6483067,830	637263,490	35,296
1004	6483172,220	637326,920	39,388	1058	6483070,540	637260,040	35,368
1005	6483171,290	637330,110	39,438	1059	6483073,460	637255,330	35,210
1006	6483170,380	637332,520	39,542	1060	6483071,170	637252,640	35,516
1007	6483169,090	637335,380	39,752	1061	6483068,120	637250,630	35,452
1008	6483168,170	637337,540	39,914	1062	6483065,520	637248,680	35,306
1009	6483167,750	637339,920	40,034	1063	6483062,450	637245,050	35,456
1010	6483168,400	637342,220	40,041	1064	6483059,510	637243,110	35,094
1011	6483170,060	637344,220	40,134	1065	6483056,210	637240,870	35,140
1012	6483171,360	637345,210	40,119	1066	6483053,300	637239,480	35,100
1013	6483166,660	637344,600	40,057	1067	6483050,610	637238,580	35,000
1014	6483165,430	637340,630	39,950	1068	6483047,400	637238,180	35,003
1015	6483165,420	637336,750	39,768	1069	6483044,060	637237,930	34,980
1016	6483165,270	637332,740	39,665	1070	6483041,450	637237,470	35,043
1017	6483165,020	637329,250	39,502	1071	6483038,370	637237,030	35,153
1018	6483164,040	637326,900	39,459	1072	6483035,890	637237,150	35,147
1019	6483160,740	637326,780	39,672	1073	6483033,060	637237,080	35,218
1020	6483156,940	637325,900	39,519	1074	6483030,880	637237,250	35,235

1075	6483027,890	637237,540	35,412	1129	6483006,830	637232,050	38,118
1076	6483025,060	637237,460	35,569	1130	6483009,540	637233,060	37,859
1077	6483021,810	637236,780	35,707	1131	6483012,210	637233,840	37,949
1078	6483019,030	637236,300	35,662	1132	6483015,560	637233,530	37,651
1079	6483015,540	637236,120	35,670	1133	6483018,170	637233,690	37,553
1080	6483012,420	637236,360	35,721	1134	6483021,420	637234,400	37,474
1081	6483010,160	637236,090	35,800	1135	6483024,150	637235,040	37,370
1082	6483007,160	637234,880	35,631	1136	6483026,950	637235,490	37,219
1083	6483004,460	637234,560	35,620	1137	6483030,550	637234,920	37,049
1084	6483002,720	637233,550	35,910	1138	6483029,230	637233,780	37,078
1085	6482999,530	637241,940	35,967	1139	6483026,140	637233,480	37,119
1086	6483004,230	637243,320	35,917	1140	6483022,290	637232,910	37,363
1087	6483008,970	637243,440	35,845	1141	6483017,740	637232,190	37,643
1088	6483015,290	637243,810	35,782	1142	6483013,930	637231,450	37,725
1089	6483019,060	637244,200	35,689	1143	6483010,810	637230,630	38,136
1090	6483023,390	637244,170	35,699	1144	6483008,490	637230,040	38,111
1091	6483028,060	637243,980	35,344	1145	6483004,730	637229,570	37,583
1092	6483032,650	637244,580	35,422	1146	6483002,430	637228,650	37,675
1093	6483036,100	637244,870	35,148	1147	6482998,900	637225,590	37,576
1094	6483041,030	637244,950	34,989	1148	6482998,410	637223,850	37,586
1095	6483045,660	637246,170	35,073	1149	6482998,060	637220,230	37,629
1096	6483049,740	637247,840	35,255	1150	6482998,510	637217,060	37,172
1097	6483053,720	637249,040	35,418	1151	6482999,740	637213,150	36,707
1098	6483057,600	637251,100	35,318	1152	6483001,030	637210,400	36,561
1099	6483060,220	637252,780	35,342	1153	6483003,580	637207,920	36,343
1100	6483062,070	637253,980	35,425	1154	6483005,810	637206,760	36,182
1101	6483062,470	637259,560	35,465	1155	6483009,430	637206,330	36,172
1102	6483059,670	637260,610	35,450	1156	6483012,890	637205,490	36,132
1103	6483056,150	637260,600	35,429	1157	6483015,920	637205,920	36,337
1104	6483052,330	637259,680	35,331	1158	6483020,220	637206,530	36,168
1105	6483049,430	637259,660	35,267	1159	6483023,370	637207,100	36,043
1106	6483046,020	637258,790	35,353	1160	6483027,150	637208,020	36,136
1107	6483043,090	637258,400	35,409	1161	6483029,080	637208,800	36,196
1108	6483040,420	637257,270	35,430	1162	6483033,900	637202,380	34,683
1109	6483036,970	637256,400	35,288	1163	6483033,910	637202,380	34,681
1110	6483033,760	637255,490	35,457	1164	6483033,910	637202,380	34,683
1111	6483012,950	637252,400	36,388	1165	6483032,370	637209,680	36,486
1112	6483010,180	637251,610	36,208	1166	6483035,140	637211,110	35,861
1113	6483006,100	637251,370	36,179	1167	6483037,460	637214,100	35,929
1114	6483002,300	637250,860	36,135	1168	6483039,110	637216,990	36,050
1115	6482997,410	637250,110	36,064	1169	6483040,320	637220,250	36,314
1116	6482994,300	637246,950	36,271	1170	6483039,510	637222,800	36,648
1117	6482994,630	637241,750	36,305	1171	6483041,530	637223,830	36,426
1118	6482995,800	637236,180	36,406	1172	6483044,110	637223,700	36,369
1119	6482996,730	637234,080	36,249	1173	6483049,620	637225,460	36,370
1120	6482997,350	637231,590	36,208	1174	6483052,780	637226,970	36,293
1121	6482997,010	637228,870	36,752	1175	6483055,890	637228,880	36,492
1122	6482998,750	637228,770	36,732	1176	6483058,610	637230,340	37,054
1123	6482999,700	637228,640	37,020	1177	6483061,390	637231,610	36,474
1124	6482999,260	637227,330	37,498	1178	6483063,560	637233,160	36,595
1125	6482999,450	637227,300	37,665	1179	6483065,050	637234,570	36,671
1126	6483000,690	637227,650	37,951	1180	6483067,480	637236,670	36,908
1127	6483000,570	637229,250	37,990	1181	6483069,710	637236,440	36,765
1128	6483003,180	637231,200	37,977	1182	6483072,240	637236,150	36,631

1183	6483074,350	637236,270	36,522	1237	6483054,960	637232,810	39,785
1184	6483075,820	637237,190	36,641	1238	6483051,570	637231,120	39,175
1185	6483076,730	637239,200	36,876	1239	6483050,940	637231,250	39,880
1186	6483076,180	637239,940	37,037	1240	6483049,060	637229,570	39,001
1187	6483075,650	637242,420	37,343	1241	6483048,120	637230,670	38,914
1188	6483077,820	637243,080	37,199	1242	6483049,740	637233,650	38,141
1189	6483079,700	637243,280	37,441	1243	6483047,400	637233,990	37,807
1190	6483080,870	637245,970	37,404	1244	6483047,640	637233,050	39,151
1191	6483082,550	637246,290	37,542	1245	6483044,980	637232,670	38,698
1192	6483084,700	637248,960	37,993	1246	6483044,360	637234,810	37,697
1193	6483086,760	637249,600	37,978	1247	6483041,710	637233,060	38,518
1194	6483088,360	637251,700	38,107	1248	6483041,220	637234,710	37,579
1195	6483089,650	637251,870	38,149	1249	6483041,150	637232,120	38,564
1196	6483091,210	637254,700	38,322	1250	6483042,180	637231,400	38,701
1197	6483093,540	637254,190	38,637	1251	6483043,650	637231,030	38,480
1198	6483091,810	637249,980	38,026	1252	6483043,480	637228,760	38,392
1199	6483092,910	637248,520	37,637	1253	6483041,890	637227,820	38,194
1200	6483092,910	637245,840	37,297	1254	6483039,670	637228,900	38,379
1201	6483091,930	637244,080	37,097	1255	6483037,960	637232,670	37,721
1202	6483090,710	637241,300	36,917	1256	6483039,370	637233,730	37,573
1203	6483089,950	637238,740	36,583	1257	6483031,600	637225,460	43,332
1204	6483088,090	637236,860	36,581	1258	6483029,580	637226,040	43,828
1205	6483086,010	637237,190	36,641	1259	6483025,930	637225,860	43,015
1206	6483082,810	637238,170	36,645	1260	6483026,890	637223,660	43,522
1207	6483080,770	637240,600	36,920	1261	6483027,830	637220,680	43,402
1208	6483079,730	637242,780	36,914	1262	6483023,460	637218,930	42,604
1209	6483082,610	637243,110	38,926	1263	6483022,800	637220,460	42,610
1210	6483082,970	637242,800	38,996	1264	6483021,610	637223,650	43,073
1211	6483084,410	637242,010	39,239	1265	6483017,100	637224,680	42,207
1212	6483085,620	637241,280	39,105	1266	6483017,570	637223,070	41,893
1213	6483086,070	637241,580	39,317	1267	6483018,500	637220,510	41,775
1214	6483086,370	637242,890	39,041	1268	6483018,790	637215,900	41,713
1215	6483085,170	637243,610	39,326	1269	6483014,670	637216,620	43,064
1216	6483086,080	637245,060	39,034	1270	6483014,200	637220,110	42,631
1217	6483087,590	637245,410	39,164	1271	6483013,230	637223,900	42,169
1218	6483089,730	637246,920	38,977	1272	6483010,930	637222,130	42,306
1219	6483089,720	637248,000	39,263	1273	6483011,360	637219,950	42,497
1220	6483073,660	637244,690	38,685	1274	6483011,770	637217,230	42,689
1221	6483072,210	637246,430	38,833	1275	6483007,720	637215,320	42,561
1222	6483071,500	637247,980	38,528	1276	6483007,470	637216,230	42,606
1223	6483068,500	637245,810	38,768	1277	6483003,570	637217,850	40,155
1224	6483066,320	637244,500	38,303	1278	6483006,090	637220,860	40,064
1225	6483067,690	637243,020	38,609	1279	6483006,180	637223,100	40,015
1226	6483070,680	637240,770	38,954	1280	6483006,650	637225,140	40,338
1227	6483067,780	637240,490	38,470	1281	6483004,840	637224,050	40,317
1228	6483066,260	637241,430	38,842	1282	6483003,540	637221,650	40,215
1229	6483063,210	637241,920	38,340	1283	6483002,310	637219,190	40,053
1230	6483063,310	637239,520	39,428	1284	6482995,840	637219,570	37,639
1231	6483063,300	637238,600	40,002	1285	6482992,070	637222,010	37,569
1232	6483060,810	637236,540	39,302	1286	6482987,490	637222,030	37,214
1233	6483060,440	637236,710	39,552	1287	6482983,140	637221,020	37,279
1234	6483060,310	637239,440	37,579	1288	6482979,980	637220,110	37,379
1235	6483054,260	637236,240	37,998	1289	6482975,790	637218,770	37,394
1236	6483055,240	637234,470	39,004	1290	6482973,000	637217,640	37,602

1291	6482969,390	637215,340	37,534	1345	6482980,810	637228,430	38,956
1292	6482966,120	637213,720	37,490	1346	6482978,450	637236,050	40,582
1293	6482963,520	637212,150	37,214	1347	6482975,420	637237,470	40,861
1294	6482961,470	637209,960	37,103	1348	6482971,270	637236,640	41,013
1295	6482962,460	637206,880	36,825	1349	6482968,310	637235,780	41,094
1296	6482964,170	637204,200	36,725	1350	6482963,980	637234,090	41,213
1297	6482967,230	637201,300	37,118	1351	6482960,750	637232,200	41,183
1298	6482969,810	637199,780	36,627	1352	6482956,750	637230,610	41,375
1299	6482973,170	637199,300	36,497	1353	6482952,400	637235,090	42,345
1300	6482977,840	637199,770	36,503	1354	6482954,210	637237,340	42,483
1301	6482981,950	637200,120	36,418	1355	6482956,920	637239,280	42,471
1302	6482985,910	637201,470	36,486	1356	6482959,310	637241,080	42,326
1303	6482989,100	637203,100	36,381	1357	6482952,770	637244,270	43,069
1304	6482991,850	637205,400	36,606	1358	6482950,470	637242,530	43,122
1305	6482993,680	637208,210	36,558	1359	6482948,410	637241,310	43,441
1306	6482995,440	637211,440	36,688	1360	6482949,960	637244,020	43,574
1307	6482995,190	637214,500	37,270	1361	6482992,560	637228,710	37,658
1308	6482995,430	637218,150	37,738	1362	6482994,040	637226,650	37,595
1309	6482993,740	637217,710	38,522	1363	6482995,000	637226,370	37,289
1310	6482992,920	637219,080	38,623	1364	6482995,630	637224,320	37,600
1311	6482989,910	637217,720	38,844	1365	6482993,990	637228,300	36,970
1312	6482989,570	637217,140	38,862	1366	6482993,970	637228,540	36,987
1313	6482990,120	637215,450	38,987	1367	6482993,870	637232,110	36,457
1314	6482990,630	637212,060	39,494	1368	6482991,850	637237,540	36,369
1315	6482990,460	637211,870	39,496	1369	6482979,480	637259,750	36,885
1316	6482987,360	637208,260	39,929	1370	6482978,090	637261,660	36,953
1317	6482985,690	637209,740	39,856	1371	6482975,650	637264,180	36,819
1318	6482983,750	637212,940	39,149	1372	6482973,340	637265,080	37,020
1319	6482984,350	637215,470	38,685	1373	6482970,190	637265,540	37,057
1320	6482985,700	637216,810	38,400	1374	6482968,310	637267,730	37,048
1321	6482979,760	637215,560	38,838	1375	6482967,500	637271,630	37,052
1322	6482977,570	637214,860	38,661	1376	6482966,790	637274,550	37,167
1323	6482976,930	637212,950	38,932	1377	6482965,950	637276,690	37,106
1324	6482977,610	637210,820	39,330	1378	6482964,790	637279,070	37,159
1325	6482978,250	637207,960	39,645	1379	6482964,030	637281,520	37,031
1326	6482978,220	637205,640	39,846	1380	6482966,670	637285,620	36,782
1327	6482975,280	637204,650	39,527	1381	6482966,990	637286,780	36,828
1328	6482973,490	637206,190	39,538	1382	6482968,150	637288,130	37,131
1329	6482971,930	637208,830	38,909	1383	6482964,200	637286,340	36,333
1330	6482971,170	637210,110	38,601	1384	6482960,990	637282,890	35,624
1331	6482968,980	637210,150	38,450	1385	6482961,410	637279,360	35,287
1332	6482969,970	637208,350	38,908	1386	6482963,090	637274,490	35,502
1333	6482970,870	637206,110	39,404	1387	6482963,650	637272,150	35,637
1334	6482971,810	637203,530	39,050	1388	6482964,420	637266,720	35,595
1335	6482969,810	637202,610	38,988	1389	6482961,140	637265,130	35,556
1336	6482967,300	637205,060	38,642	1390	6482957,420	637264,250	35,372
1337	6482965,380	637207,970	38,194	1391	6482954,070	637262,230	35,443
1338	6482964,800	637216,160	37,885	1392	6482949,790	637259,340	35,165
1339	6482960,950	637219,960	39,027	1393	6482947,240	637256,890	35,253
1340	6482963,780	637221,280	39,228	1394	6482945,190	637254,360	35,265
1341	6482967,150	637223,360	39,290	1395	6482942,780	637251,160	35,222
1342	6482970,740	637225,150	39,174	1396	6482940,940	637247,950	35,294
1343	6482974,190	637226,520	39,102	1397	6482938,710	637249,740	35,177
1344	6482978,260	637227,770	38,886	1398	6482936,850	637254,600	34,994

1399	6482934,960	637258,190	35,115	1453	6482959,770	637286,610	36,207
1400	6482932,790	637261,450	35,051	1454	6482963,140	637288,590	36,500
1401	6482931,250	637264,450	34,860	1455	6482960,940	637289,960	36,565
1402	6482929,280	637269,500	34,854	1456	6482961,690	637292,550	36,831
1403	6482927,910	637273,360	35,004	1457	6482963,550	637295,380	37,276
1404	6482926,740	637276,570	35,075	1458	6482962,760	637295,560	37,591
1405	6482925,780	637279,430	35,059	1459	6482961,100	637294,070	37,390
1406	6482924,820	637281,030	35,015	1460	6482959,600	637292,840	37,355
1407	6482923,540	637283,730	34,567	1461	6482957,650	637293,310	37,256
1408	6482922,050	637286,460	34,592	1462	6482956,080	637295,950	37,395
1409	6482919,980	637288,730	35,474	1463	6482955,000	637298,150	37,383
1410	6482920,080	637290,140	35,823	1464	6482952,820	637301,280	37,461
1411	6482922,430	637291,630	35,632	1465	6482951,670	637303,650	37,664
1412	6482925,570	637292,460	35,666	1466	6482950,370	637305,860	37,637
1413	6482926,830	637291,790	35,622	1467	6482948,000	637309,500	38,345
1414	6482928,190	637290,430	35,002	1468	6482949,130	637310,100	38,193
1415	6482930,320	637287,660	34,620	1469	6482952,210	637308,890	37,920
1416	6482931,820	637284,810	35,153	1470	6482954,950	637307,760	37,780
1417	6482934,760	637280,830	35,112	1471	6482958,580	637306,850	37,868
1418	6482936,660	637276,680	35,267	1472	6482960,650	637304,910	37,711
1419	6482938,780	637272,540	35,092	1473	6482962,190	637301,420	37,482
1420	6482940,820	637268,850	34,979	1474	6482962,350	637298,760	37,557
1421	6482942,830	637265,340	35,007	1475	6482960,030	637306,940	38,166
1422	6482948,330	637269,400	35,201	1476	6482962,470	637307,760	38,093
1423	6482954,610	637271,930	35,281	1477	6482964,740	637308,750	37,902
1424	6482948,240	637273,320	35,207	1478	6482962,480	637313,430	39,784
1425	6482945,900	637276,750	35,011	1479	6482959,600	637312,080	39,829
1426	6482944,260	637280,050	35,107	1480	6482957,910	637311,170	39,920
1427	6482942,690	637283,140	35,136	1481	6482954,670	637313,530	41,631
1428	6482940,730	637286,180	35,144	1482	6482957,000	637315,260	41,243
1429	6482939,710	637288,060	35,132	1483	6482960,260	637317,020	41,331
1430	6482939,280	637288,630	35,316	1484	6482960,310	637319,730	42,451
1431	6482936,480	637291,790	34,997	1485	6482957,510	637319,310	42,236
1432	6482934,800	637294,410	36,004	1486	6482953,110	637316,630	43,116
1433	6482939,990	637295,950	35,310	1487	6482952,320	637321,800	44,577
1434	6482939,990	637297,780	36,168	1488	6482954,350	637323,990	43,816
1435	6482941,860	637300,330	35,715	1489	6482958,570	637324,820	43,797
1436	6482941,560	637301,790	36,404	1490	6482959,020	637329,790	44,762
1437	6482942,090	637302,750	36,098	1491	6482959,310	637333,370	45,150
1438	6482945,700	637305,210	36,014	1492	6482960,780	637336,750	45,387
1439	6482948,080	637301,670	35,421	1493	6482958,410	637335,320	45,024
1440	6482946,990	637297,980	35,227	1494	6482955,500	637334,270	45,178
1441	6482946,240	637292,500	35,213	1495	6482952,390	637334,810	45,853
1442	6482950,220	637296,500	35,209	1496	6482950,480	637336,570	46,794
1443	6482951,400	637295,740	35,214	1497	6482948,550	637335,870	47,339
1444	6482952,970	637293,390	35,213	1498	6482947,050	637336,280	47,773
1445	6482954,320	637291,280	35,301	1499	6482945,220	637333,320	47,098
1446	6482954,880	637289,840	35,417	1500	6482946,180	637332,540	48,065
1447	6482954,500	637288,590	35,535	1501	6482946,590	637332,060	47,937
1448	6482953,220	637287,160	35,502	1502	6482947,550	637331,490	47,287
1449	6482953,720	637286,120	35,852	1503	6482946,540	637325,890	47,242
1450	6482956,170	637287,570	36,099	1504	6482945,620	637325,910	48,195
1451	6482957,910	637289,540	36,310	1505	6482944,320	637325,880	48,467
1452	6482957,110	637285,070	35,975	1506	6482943,390	637325,730	47,547

1507	6482943,600	637320,970	47,010	1561	6482964,520	637345,710	45,238
1508	6482944,590	637321,630	48,142	1562	6482964,390	637347,170	45,653
1509	6482945,590	637321,400	48,060	1563	6482969,210	637349,940	45,533
1510	6482946,520	637321,390	47,439	1564	6482970,280	637349,990	45,448
1511	6482945,930	637319,410	48,295	1565	6482971,240	637348,680	44,942
1512	6482945,550	637319,200	48,223	1566	6482969,170	637345,910	44,890
1513	6482947,660	637318,980	46,993	1567	6482972,230	637346,730	44,952
1514	6482946,120	637316,680	47,050	1568	6482974,850	637347,590	44,872
1515	6482944,230	637316,320	47,310	1569	6482974,730	637349,670	44,764
1516	6482944,000	637317,800	47,298	1570	6482974,520	637351,970	44,999
1517	6482943,680	637319,190	47,340	1571	6482974,520	637353,370	46,043
1518	6482942,360	637317,830	47,004	1572	6482979,820	637356,900	46,017
1519	6482940,590	637318,140	47,077	1573	6482980,390	637356,220	45,000
1520	6482937,530	637317,230	47,686	1574	6482981,020	637353,030	44,757
1521	6482936,970	637315,950	48,606	1575	6482981,240	637349,810	44,819
1522	6482935,990	637315,730	48,787	1576	6482979,450	637348,370	44,851
1523	6482933,030	637315,160	48,972	1577	6482981,570	637348,050	44,702
1524	6482930,710	637314,490	49,507	1578	6482981,860	637348,030	44,727
1525	6482929,800	637314,630	49,534	1579	6482984,890	637347,980	44,181
1526	6482928,120	637313,640	49,630	1580	6482987,210	637347,850	43,551
1527	6482926,750	637313,910	49,775	1581	6482990,150	637347,280	42,639
1528	6482925,140	637313,310	49,540	1582	6482991,140	637346,670	42,494
1529	6482925,120	637312,710	49,978	1583	6482990,420	637343,240	42,384
1530	6482924,150	637311,410	49,332	1584	6482989,690	637342,550	42,305
1531	6482923,240	637311,160	49,513	1585	6482988,780	637341,700	42,299
1532	6482922,010	637309,490	48,941	1586	6482986,230	637341,960	41,974
1533	6482920,920	637308,720	48,418	1587	6482982,290	637341,550	41,991
1534	6482917,400	637307,020	46,979	1588	6482977,590	637340,760	41,946
1535	6482917,040	637308,280	46,933	1589	6482973,750	637339,670	41,690
1536	6482918,720	637310,760	47,344	1590	6482970,380	637337,750	41,325
1537	6482920,250	637315,100	47,326	1591	6482972,040	637340,170	42,116
1538	6482923,330	637318,230	47,419	1592	6482973,820	637341,140	42,220
1539	6482927,310	637319,060	47,129	1593	6482977,780	637342,610	42,529
1540	6482930,460	637319,240	47,036	1594	6482981,420	637342,660	42,357
1541	6482933,370	637318,630	46,953	1595	6482983,980	637343,510	42,516
1542	6482935,240	637318,720	47,028	1596	6482986,400	637344,010	42,659
1543	6482947,760	637341,350	46,401	1597	6482988,490	637344,790	42,502
1544	6482949,670	637339,750	47,423	1598	6482992,180	637346,540	41,325
1545	6482950,300	637339,710	47,512	1599	6482995,770	637345,500	40,236
1546	6482950,990	637338,300	46,761	1600	6482995,450	637344,540	40,038
1547	6482954,290	637341,520	46,584	1601	6482994,140	637342,860	40,068
1548	6482954,400	637341,940	47,234	1602	6482992,890	637339,900	39,667
1549	6482953,870	637342,080	47,163	1603	6482991,330	637338,060	38,715
1550	6482953,530	637342,920	46,403	1604	6482987,860	637337,570	38,512
1551	6482958,530	637345,870	46,093	1605	6482984,750	637337,860	38,487
1552	6482958,870	637345,630	46,688	1606	6482981,040	637337,110	38,375
1553	6482959,380	637345,330	46,562	1607	6482977,090	637336,240	38,121
1554	6482960,170	637344,330	45,776	1608	6482973,610	637333,360	37,860
1555	6482962,500	637346,950	45,967	1609	6482971,040	637329,470	37,824
1556	6482962,070	637347,890	45,968	1610	6482967,880	637324,860	37,831
1557	6482961,020	637347,260	46,162	1611	6482966,180	637319,130	37,957
1558	6482962,680	637340,230	45,259	1612	6482965,890	637314,710	37,763
1559	6482964,540	637342,150	45,157	1613	6482965,660	637311,730	37,719
1560	6482964,970	637344,160	45,261	1614	6482967,890	637307,240	37,444

1615	6482969,090	637304,070	37,403	1669	6482999,000	637339,410	39,867
1616	6482970,020	637300,460	37,212	1670	6483017,460	637344,390	39,505
1617	6482971,180	637296,690	36,922	1671	6483016,980	637346,480	39,401
1618	6482972,300	637293,000	36,889	1672	6483016,040	637346,900	39,485
1619	6482973,630	637289,360	36,880	1673	6483014,160	637344,930	39,115
1620	6482973,660	637285,760	37,065	1674	6483012,790	637341,920	39,185
1621	6482974,440	637282,850	37,009	1675	6483010,320	637339,510	39,035
1622	6482975,870	637278,680	36,939	1676	6483006,880	637337,900	38,723
1623	6482977,310	637275,700	36,976	1677	6483003,800	637336,980	38,616
1624	6482979,720	637272,540	36,822	1678	6483001,130	637337,230	38,978
1625	6482981,540	637269,120	36,760	1679	6482999,570	637336,390	39,015
1626	6482985,090	637262,690	36,461	1680	6483005,370	637333,760	38,770
1627	6482992,770	637261,050	36,446	1681	6483008,100	637333,580	38,682
1628	6482992,800	637265,520	36,497	1682	6483023,420	637340,650	40,643
1629	6482990,650	637270,270	36,581	1683	6483024,440	637344,970	40,699
1630	6482988,450	637277,160	36,968	1684	6483020,910	637341,920	39,655
1631	6482986,330	637283,030	36,924	1685	6483014,680	637337,290	38,838
1632	6482983,950	637287,270	36,955	1686	6483016,770	637341,110	39,120
1633	6482981,380	637292,710	37,009	1687	6483019,580	637343,910	39,758
1634	6482978,650	637298,180	37,054	1688	6483022,930	637346,070	40,655
1635	6482976,090	637302,210	37,209	1689	6483026,500	637348,290	40,981
1636	6482974,310	637304,950	37,182	1690	6483030,160	637345,330	40,872
1637	6482972,130	637310,320	37,473	1691	6483037,760	637342,510	40,873
1638	6482972,140	637315,000	37,562	1692	6483036,310	637345,840	40,910
1639	6482974,660	637321,450	37,848	1693	6483036,270	637349,720	41,133
1640	6482976,790	637322,460	37,929	1694	6483035,210	637354,980	41,375
1641	6482979,160	637319,510	37,806	1695	6483033,540	637359,670	41,450
1642	6482980,540	637316,430	37,653	1696	6483032,630	637363,030	41,414
1643	6482982,640	637311,270	37,555	1697	6483031,760	637366,810	41,521
1644	6482984,540	637306,430	37,601	1698	6483030,700	637369,640	41,793
1645	6482986,600	637301,480	37,455	1699	6483029,170	637373,650	41,973
1646	6482988,730	637295,480	37,374	1700	6483025,540	637361,560	41,069
1647	6482991,100	637289,590	37,314	1701	6483027,260	637355,680	40,941
1648	6482992,920	637284,660	37,188	1702	6483021,240	637354,410	40,858
1649	6482995,770	637278,900	37,184	1703	6483019,820	637360,570	40,989
1650	6482997,710	637274,140	37,081	1704	6483018,810	637363,570	40,818
1651	6483000,470	637268,570	36,803	1705	6483017,440	637367,150	41,002
1652	6483002,530	637263,150	36,585	1706	6483012,460	637364,880	40,434
1653	6482998,290	637294,930	37,855	1707	6483012,310	637363,010	40,336
1654	6482996,000	637299,820	37,893	1708	6483013,250	637359,670	40,343
1655	6482994,000	637304,110	37,894	1709	6483014,240	637355,110	40,480
1656	6482990,770	637310,110	37,964	1710	6483010,920	637351,550	40,446
1657	6482988,710	637313,940	37,931	1711	6483009,380	637353,390	40,350
1658	6482986,260	637318,290	37,951	1712	6483008,010	637356,960	40,276
1659	6482983,370	637323,710	37,942	1713	6483006,690	637361,710	40,317
1660	6482983,000	637325,720	38,292	1714	6483002,560	637361,330	40,445
1661	6482985,740	637328,320	38,355	1715	6483000,350	637359,940	40,396
1662	6482991,670	637329,470	38,606	1716	6483001,050	637356,300	40,258
1663	6482994,220	637324,220	38,359	1717	6483003,140	637354,100	40,317
1664	6482996,570	637318,920	38,355	1718	6483004,660	637351,400	40,354
1665	6482998,380	637313,850	38,360	1719	6483005,960	637348,340	40,298
1666	6483003,660	637327,530	38,525	1720	6483003,940	637345,930	40,314
1667	6482997,870	637333,930	38,812	1721	6483000,460	637345,440	40,240
1668	6482997,870	637337,070	39,327	1722	6482999,220	637345,930	40,318

1723	6482996,790	637347,190	40,259	1777	6483053,410	637394,270	45,925
1724	6482997,340	637349,910	40,416	1778	6483057,280	637396,480	46,213
1725	6482997,530	637352,260	40,575	1779	6483060,660	637398,170	46,304
1726	6482997,620	637354,940	40,513	1780	6483064,540	637399,930	46,448
1727	6482997,500	637356,500	40,773	1781	6483068,190	637401,630	46,474
1728	6482996,360	637355,670	40,819	1782	6483070,370	637402,490	46,786
1729	6482994,710	637354,380	41,333	1783	6483072,770	637403,170	46,866
1730	6482992,870	637353,510	42,063	1784	6483074,470	637403,720	47,020
1731	6482992,330	637351,450	42,086	1785	6483075,860	637404,950	47,094
1732	6482988,780	637349,380	43,523	1786	6483075,090	637407,850	46,659
1733	6482988,100	637351,730	43,633	1787	6483073,720	637411,950	46,209
1734	6482985,720	637352,000	44,369	1788	6483072,170	637417,240	45,633
1735	6482983,290	637352,060	44,808	1789	6483070,530	637421,650	45,090
1736	6482983,500	637352,820	45,053	1790	6483070,140	637422,560	45,059
1737	6482985,680	637353,270	44,737	1791	6483069,050	637427,110	44,363
1738	6482988,160	637354,650	44,775	1792	6483067,470	637430,740	44,066
1739	6482991,050	637356,370	45,015	1793	6483066,750	637433,510	43,901
1740	6482991,770	637357,050	45,041	1794	6483065,620	637438,140	43,224
1741	6482991,660	637358,660	44,880	1795	6483066,860	637438,050	43,072
1742	6482991,440	637360,290	44,949	1796	6483069,920	637439,870	43,189
1743	6482991,300	637361,440	45,315	1797	6483073,240	637435,620	43,168
1744	6482988,990	637359,950	44,849	1798	6483069,980	637434,280	42,987
1745	6482988,040	637359,940	45,547	1799	6483071,910	637428,800	43,092
1746	6482983,290	637357,200	44,892	1800	6483075,780	637428,460	43,139
1747	6482982,150	637357,930	45,819	1801	6483079,270	637424,660	43,309
1748	6482978,880	637354,460	44,986	1802	6483075,620	637423,050	43,324
1749	6482977,690	637354,660	45,650	1803	6483077,430	637418,310	43,189
1750	6482980,380	637352,670	44,837	1804	6483080,190	637418,490	43,308
1751	6482984,110	637355,340	44,865	1805	6483083,130	637414,870	43,391
1752	6482988,130	637357,830	44,728	1806	6483080,450	637413,340	43,361
1753	6482991,210	637362,460	45,313	1807	6483080,890	637409,040	43,275
1754	6482994,030	637364,450	45,152	1808	6483084,060	637409,110	43,255
1755	6482998,510	637366,800	45,002	1809	6483084,160	637403,910	43,217
1756	6483003,530	637369,250	44,988	1810	6483082,170	637403,510	43,281
1757	6483007,920	637371,290	44,904	1811	6483079,760	637400,090	42,987
1758	6483014,080	637374,300	44,936	1812	6483075,390	637398,030	42,890
1759	6483017,660	637375,840	44,878	1813	6483072,190	637397,240	42,663
1760	6483022,320	637378,040	44,812	1814	6483068,440	637396,130	42,605
1761	6483024,600	637379,060	45,149	1815	6483064,870	637394,810	42,499
1762	6483024,630	637378,960	44,874	1816	6483060,840	637392,780	42,313
1763	6483027,330	637379,970	44,768	1817	6483056,670	637391,120	42,215
1764	6483028,550	637380,580	45,304	1818	6483054,610	637389,860	42,420
1765	6483029,240	637380,470	44,872	1819	6483052,290	637389,370	42,821
1766	6483032,120	637382,560	45,094	1820	6483050,570	637388,370	43,337
1767	6483033,470	637383,150	44,979	1821	6483050,120	637387,730	43,692
1768	6483034,300	637381,960	44,754	1822	6483058,000	637387,330	42,082
1769	6483037,130	637385,090	45,097	1823	6483056,730	637387,570	41,948
1770	6483037,900	637385,420	45,127	1824	6483055,250	637388,190	42,112
1771	6483038,830	637384,370	45,052	1825	6483057,650	637389,070	42,123
1772	6483041,720	637385,280	44,936	1826	6483059,600	637390,680	42,133
1773	6483042,280	637386,580	45,136	1827	6483061,100	637390,810	42,161
1774	6483042,240	637387,690	45,515	1828	6483063,120	637390,420	42,363
1775	6483043,630	637389,280	45,567	1829	6483064,210	637390,200	42,384
1776	6483049,760	637392,690	45,939	1830	6483065,950	637388,960	42,518

1831	6483067,330	637387,830	42,504	1885	6483089,060	637357,690	42,240
1832	6483069,300	637383,340	42,425	1886	6483089,890	637356,180	42,094
1833	6483068,940	637379,260	42,382	1887	6483092,040	637353,940	42,019
1834	6483069,080	637386,840	42,565	1888	6483086,440	637354,250	42,046
1835	6483070,290	637390,100	42,609	1889	6483081,670	637355,180	42,056
1836	6483070,590	637392,220	42,630	1890	6483067,970	637355,200	41,630
1837	6483070,110	637393,900	42,657	1891	6483064,740	637354,190	41,466
1838	6483065,720	637390,180	42,695	1892	6483061,290	637353,370	41,480
1839	6483072,660	637387,990	42,595	1893	6483059,640	637352,500	41,494
1840	6483075,590	637388,540	42,653	1894	6482901,520	637209,300	41,350
1841	6483078,790	637390,660	42,647	1895	6482904,920	637210,640	41,650
1842	6483083,070	637386,710	42,599	1896	6482907,430	637212,620	41,730
1843	6483081,020	637384,710	42,512	1897	6482910,230	637214,360	41,770
1844	6483077,280	637382,690	42,422	1898	6482912,610	637215,940	41,910
1845	6483075,050	637379,060	42,307	1899	6482915,420	637217,620	41,890
1846	6483076,950	637377,130	42,468	1900	6482918,270	637219,570	42,000
1847	6483079,740	637377,200	42,509	1901	6482921,140	637221,520	41,970
1848	6483084,140	637377,720	42,557	1902	6482923,580	637223,970	41,840
1849	6483087,200	637377,970	42,574	1903	6482924,860	637225,400	41,740
1850	6483089,410	637375,460	42,631	1904	6482926,840	637227,810	41,730
1851	6483090,290	637372,110	42,556	1905	6482928,150	637229,130	41,230
1852	6483085,960	637370,990	42,481	1906	6482931,660	637229,760	41,220
1853	6483082,580	637371,270	42,372	1907	6482935,740	637229,620	41,850
1854	6483079,420	637371,350	42,360	1908	6482938,760	637229,750	41,350
1855	6483076,130	637371,400	42,223	1909	6482941,720	637231,460	40,830
1856	6483071,220	637371,160	42,032	1910	6482944,370	637233,070	40,280
1857	6483067,730	637371,010	42,088	1911	6482947,390	637229,580	40,250
1858	6483063,250	637370,720	41,941	1912	6482948,320	637226,990	40,270
1859	6483044,180	637381,240	41,929	1913	6482944,970	637223,360	40,850
1860	6483041,900	637380,120	41,872	1914	6482942,630	637224,910	41,010
1861	6483039,090	637379,090	41,918	1915	6482938,010	637225,920	41,270
1862	6483035,260	637377,180	41,836	1916	6482938,220	637223,900	41,010
1863	6483031,080	637374,590	41,829	1917	6482940,170	637221,480	40,860
1864	6483039,670	637372,030	41,679	1918	6482936,820	637218,400	40,760
1865	6483040,710	637366,590	41,662	1919	6482934,440	637220,410	41,070
1866	6483042,200	637358,560	41,364	1920	6482932,200	637224,200	41,130
1867	6483043,440	637352,020	41,344	1921	6482927,540	637222,580	41,030
1868	6483044,770	637345,880	40,989	1922	6482928,540	637219,520	41,440
1869	6483053,510	637347,460	41,490	1923	6482932,060	637217,330	40,840
1870	6483053,090	637350,300	41,321	1924	6482928,210	637214,740	41,080
1871	6483052,610	637353,140	41,566	1925	6482924,510	637212,600	40,710
1872	6483052,230	637355,430	41,657	1926	6482922,810	637214,000	41,320
1873	6483052,070	637357,110	41,789	1927	6482921,820	637216,190	41,790
1874	6483051,560	637359,390	41,612	1928	6482917,120	637216,180	41,810
1875	6483056,680	637363,410	41,793	1929	6482921,510	637212,050	40,820
1876	6483059,750	637362,640	41,938	1930	6482921,160	637212,090	41,070
1877	6483063,470	637362,650	41,751	1931	6482919,540	637212,440	40,830
1878	6483068,320	637363,300	41,864	1932	6482918,700	637212,810	41,600
1879	6483072,220	637363,360	41,985	1933	6482919,410	637210,530	40,540
1880	6483075,910	637363,240	42,157	1934	6482915,090	637207,810	40,350
1881	6483078,420	637363,660	42,357	1935	6482913,460	637209,970	40,750
1882	6483080,880	637363,490	42,265	1936	6482912,890	637210,990	41,770
1883	6483085,540	637363,150	42,387	1937	6482910,200	637208,970	41,560
1884	6483088,450	637359,470	42,180	1938	6482909,990	637208,010	40,630

1939	6482911,150	637206,080	40,250	1993	6482926,080	637191,270	37,290
1940	6482909,490	637205,070	39,310	1994	6482924,100	637197,200	37,800
1941	6482908,150	637205,540	39,590	1995	6482930,750	637200,630	37,840
1942	6482907,000	637207,160	41,300	1996	6482933,120	637196,950	37,380
1943	6482903,130	637206,070	41,380	1997	6482935,460	637191,690	36,780
1944	6482903,800	637204,980	39,740	1998	6482940,940	637189,160	36,600
1945	6482904,830	637203,340	39,650	1999	6482939,760	637191,650	36,930
1946	6482900,170	637201,310	39,360	2000	6482938,680	637197,070	37,380
1947	6482899,430	637196,090	41,480	2001	6482936,770	637201,880	37,680
1948	6482900,310	637195,510	41,710	2002	6482943,930	637206,430	37,780
1949	6482904,620	637197,520	41,390	2003	6482946,310	637201,840	37,360
1950	6482904,600	637198,550	41,620	2004	6482948,220	637197,850	37,110
1951	6482908,460	637201,540	41,730	2005	6482950,530	637193,460	37,070
1952	6482909,300	637200,750	41,820	2006	6482953,890	637187,350	36,730
1953	6482913,060	637202,580	41,900	2007	6482958,490	637187,800	36,380
1954	6482912,650	637203,480	42,130	2008	6482957,100	637191,970	36,860
1955	6482916,770	637206,370	42,050	2009	6482955,700	637195,260	37,030
1956	6482917,890	637205,830	42,340	2010	6482954,380	637200,120	37,140
1957	6482921,720	637208,380	41,740	2011	6482952,830	637206,260	37,300
1958	6482921,970	637209,310	41,840	2012	6482960,810	637202,600	36,970
1959	6482926,850	637210,350	42,100	2013	6482962,070	637198,050	36,890
1960	6482927,130	637211,610	42,280	2014	6483004,960	637201,630	36,210
1961	6482930,300	637213,460	42,530	2015	6483004,940	637200,450	36,810
1962	6482931,330	637212,780	42,580	2016	6482997,630	637199,970	36,300
1963	6482935,810	637214,920	41,740	2017	6482997,700	637199,220	36,880
1964	6482935,630	637215,850	41,690	2018	6482990,080	637198,160	36,510
1965	6482940,640	637218,470	41,780	2019	6482989,990	637197,470	37,290
1966	6482941,720	637217,960	42,020	2020	6482982,480	637196,010	36,390
1967	6482946,250	637219,900	42,050	2021	6482982,310	637194,760	36,710
1968	6482946,230	637221,440	42,180	2022	6482976,510	637193,790	36,430
1969	6482950,180	637223,670	42,140	2023	6482976,760	637192,680	37,090
1970	6482951,520	637222,800	42,230	2024	6482968,280	637190,610	36,510
1971	6482956,410	637223,470	42,160	2025	6482968,330	637189,840	37,160
1972	6482953,750	637217,820	39,100	2026	6482963,040	637190,030	36,530
1973	6482948,480	637215,720	39,230	2027	6482963,080	637189,330	37,180
1974	6482942,260	637213,550	39,190	2028	6482959,490	637187,840	36,520
1975	6482937,870	637211,400	39,270	2029	6482960,150	637187,180	37,120
1976	6482933,320	637208,350	38,830	2030	6482962,530	637183,990	36,520
1977	6482927,570	637205,840	39,010	2031	6482963,840	637183,880	36,590
1978	6482923,100	637205,200	39,550	2032	6482965,560	637185,060	36,720
1979	6482918,440	637200,910	38,900	2033	6482966,250	637186,990	37,000
1980	6482914,480	637198,540	38,450	2034	6482971,000	637188,230	37,090
1981	6482909,400	637195,170	38,330	2035	6482972,210	637186,220	36,560
1982	6482904,430	637192,460	38,220	2036	6482977,000	637188,210	36,640
1983	6482899,390	637189,750	38,170	2037	6482977,260	637189,320	37,170
1984	6482899,890	637184,910	37,720	2038	6482982,980	637191,330	37,020
1985	6482902,560	637181,100	37,160	2039	6482983,890	637189,700	36,690
1986	6482909,770	637183,790	36,980	2040	6482988,970	637191,130	36,600
1987	6482909,280	637187,020	37,490	2041	6482988,490	637192,800	36,820
1988	6482908,200	637189,670	37,730	2042	6482995,640	637195,370	36,850
1989	6482913,930	637193,680	37,880	2043	6482996,820	637193,520	36,480
1990	6482916,030	637190,410	37,360	2044	6483003,460	637195,700	36,500
1991	6482917,720	637186,750	36,950	2045	6483003,240	637197,640	36,960
1992	6482927,380	637187,530	36,840	2046	6483007,980	637194,070	34,020

2047	6483007,970	637194,070	34,020	2101	6482904,580	637281,120	35,450
2048	6483007,970	637194,080	34,010	2102	6482912,910	637285,020	35,610
2049	6483007,970	637194,090	34,020	2103	6482918,290	637274,650	35,350
2050	6483007,950	637194,100	34,020	2104	6482926,100	637267,500	35,480
2051	6483006,380	637196,530	36,430	2105	6482922,470	637265,680	35,480
2052	6483006,370	637196,700	36,100	2106	6482918,810	637264,020	35,310
2053	6482942,000	637238,230	36,310	2107	6482919,950	637260,380	35,530
2054	6482938,340	637237,750	36,140	2108	6482922,410	637255,870	35,280
2055	6482936,570	637237,500	36,130	2109	6482924,530	637251,060	35,030
2056	6482932,910	637237,330	35,940	2110	6482926,120	637246,910	35,340
2057	6482928,700	637236,540	35,660	2111	6482918,430	637242,500	35,190
2058	6482924,840	637234,950	35,770	2112	6482915,840	637245,940	35,080
2059	6482922,410	637233,130	36,020	2113	6482913,840	637250,360	35,090
2060	6482920,640	637230,980	36,480	2114	6482911,830	637254,670	35,250
2061	6482919,240	637228,490	36,370	2115	6482908,320	637262,500	35,040
2062	6482916,970	637226,940	36,270	2116	6482899,830	637261,200	35,170
2063	6482914,460	637224,760	36,220	2117	6482901,800	637255,890	35,140
2064	6482912,280	637223,170	36,050	2118	6482904,880	637249,920	35,050
2065	6482908,910	637222,990	35,880	2119	6482907,100	637246,710	35,140
2066	6482913,300	637232,860	35,320	2120	6482910,750	637240,330	35,270
2067	6482910,370	637231,310	35,160	2121	6482902,350	637237,170	35,310
2068	6482905,560	637221,720	35,690	2122	6482900,050	637241,810	35,090
2069	6482902,770	637223,740	35,160	2123	6482897,910	637247,290	35,040
2070	6482898,840	637219,040	35,420	2124	6482896,190	637252,180	35,070
2071	6482895,890	637304,650	47,890	2125	6482903,670	637352,590	44,500
2072	6482900,150	637305,740	47,780	2126	6482897,710	637314,360	47,280
2073	6482903,760	637306,130	47,720	2127	6482898,210	637332,730	46,090
2074	6482906,570	637305,780	47,300	2128	6482882,480	637345,480	44,960
2075	6482909,130	637306,020	47,020	2129	6482905,660	637346,800	45,140
2076	6482910,550	637305,790	46,440	2130	6482918,730	637358,880	44,020
2077	6482910,760	637307,800	47,450	2131	6482922,700	637344,320	45,660
2078	6482911,360	637307,570	46,770	2132	6482918,230	637322,470	46,880
2079	6482911,680	637309,210	47,490	2133	6482924,520	637329,750	46,540
2080	6482912,540	637308,540	46,890	2134	6482931,140	637338,030	46,150
2081	6482914,650	637309,730	47,330	2135	6482937,270	637354,250	44,630
2082	6482912,760	637306,070	46,470	2136	6482935,940	637366,660	43,540
2083	6482936,830	637326,900	46,660	2137	6483035,740	637198,010	34,920
2084	6482932,660	637324,710	46,790	2138	6483014,060	637191,390	34,920
2085	6482927,450	637322,150	46,970	2139	6483016,540	637183,950	35,060
2086	6482923,590	637320,660	47,200	2140	6483038,060	637190,730	34,990
2087	6482946,590	637308,100	38,120	2141	6482993,700	637176,500	35,380
2088	6482939,460	637306,610	38,000	2142	6482982,610	637181,130	35,170
2089	6482934,830	637303,590	37,820	2143	6482957,290	637179,810	35,750
2090	6482929,940	637300,470	37,650	2144	6482972,020	637169,550	35,290
2091	6482925,290	637298,130	37,140	2145	6482958,620	637174,020	35,080
2092	6482920,570	637294,710	36,680	2146	6482950,510	637162,430	35,170
2093	6482916,260	637293,210	36,370	2147	6482932,960	637177,490	36,230
2094	6482911,590	637291,830	36,160	2148	6482922,700	637183,780	36,660
2095	6482907,410	637290,710	35,910	2149	6482937,600	637167,400	34,880
2096	6482903,180	637288,990	35,960	2150	6482935,610	637172,690	35,390
2097	6482898,510	637286,590	35,770	2151	6482930,150	637154,320	34,980
2098	6482895,750	637279,160	35,440	2152	6482915,420	637160,280	34,760
2099	6482898,350	637270,600	35,220	2153	6482910,120	637145,880	34,860
2100	6482906,420	637272,940	35,200	2154	6482913,270	637165,740	35,180

2155	6482911,450	637169,550	35,940	2209	6483281,020	637438,660	43,150
2156	6482961,100	637354,580	45,320	2210	6483290,620	637504,530	47,120
2157	6482952,820	637370,470	43,600	2211	6483288,130	637417,310	41,570
2158	6482962,260	637373,450	43,880	2212	6483308,160	637410,020	40,420
2159	6482918,750	637178,580	36,380	2213	6483296,910	637391,820	39,840
2160	6482948,040	637178,850	35,920	2214	6483286,810	637400,760	40,760
2161	6482990,520	637186,270	34,370	2215	6483274,230	637329,590	38,190
2162	6483044,720	637201,800	34,580	2216	6483293,760	637343,330	37,980
2163	6482882,040	637360,620	43,150	2217	6483304,350	637370,800	38,670
2164	6482940,600	637348,230	45,403	2218	6483313,790	637344,650	37,840
2165	6482956,980	637373,120	43,402	2219	6483302,370	637321,480	37,050
2166	6483055,940	637210,700	35,208	2220	6483283,830	637407,540	40,780
2167	6483055,720	637212,740	35,572	2221	6483283,170	637306,250	37,020
2168	6483054,650	637214,990	36,796	2222	6483290,620	637283,580	36,420
2169	6483054,590	637217,080	36,144	2223	6483269,760	637281,590	36,730
2170	6483016,590	637380,010	44,503	2224	6483308,820	637292,520	36,360
2171	6483011,440	637391,230	43,324	2225	6483308,160	637307,580	36,570
2172	6483002,780	637405,380	41,993	2226	6483246,100	637272,160	36,930
2173	6483000,420	637420,060	41,399	2227	6483239,150	637292,850	37,800
2174	6483024,800	637430,200	41,477	2228	6483261,990	637298,810	37,290
2175	6483039,990	637398,790	44,497	2229	6483212,000	637234,260	35,060
2176	6483073,930	637230,000	37,106	2230	6483189,660	637230,620	34,950
2177	6483075,260	637228,370	36,250	2231	6483187,670	637240,550	35,130
2178	6483078,840	637223,940	36,177	2232	6483188,170	637243,530	33,920
2179	6483079,970	637222,170	36,991	2233	6483187,010	637246,670	35,850
2180	6483079,450	637219,140	35,914	2234	6483209,850	637245,020	35,270
2181	6483080,260	637217,400	35,319	2235	6483209,190	637247,500	33,980
2182	6483104,360	637231,860	36,340	2236	6483208,690	637251,970	36,720
2183	6483106,440	637230,430	37,190	2237	6483221,600	637261,730	37,020
2184	6483106,720	637228,650	36,311	2238	6483206,380	637262,560	37,400
2185	6483107,170	637226,310	35,747	2239	6483194,290	637255,940	37,160
2186	6483056,900	637409,060	45,302	2240	6483186,680	637266,530	37,680
2187	6483054,230	637427,270	43,552	2241	6483180,720	637263,720	37,480
2188	6483063,190	637463,390	42,760	2242	6483184,200	637284,240	39,340
2189	6483068,870	637459,470	43,130	2243	6483202,240	637279,280	37,980
2190	6483064,020	637441,040	43,030	2244	6483218,950	637276,130	37,350
2191	6483059,920	637450,150	42,950	2245	6483214,320	637292,190	38,810
2192	6483056,460	637458,290	42,770	2246	6483230,870	637315,190	39,230
2193	6483071,660	637450,720	43,310	2247	6483222,600	637337,040	40,090
2194	6483065,940	637448,580	43,110	2248	6483214,650	637358,720	40,920
2195	6483327,690	637393,640	39,070	2249	6483202,570	637326,940	40,470
2196	6483320,240	637417,970	39,430	2250	6483208,530	637310,060	39,970
2197	6483315,610	637437,000	40,090	2251	6483262,980	637494,430	48,110
2198	6483308,330	637458,520	42,450	2252	6483245,270	637481,520	47,080
2199	6483300,880	637479,700	44,900	2253	6483243,120	637486,820	48,030
2200	6483294,420	637492,110	46,810	2254	6483225,910	637474,410	47,040
2201	6483283,500	637496,090	47,090	2255	6483223,920	637479,540	48,030
2202	6483294,760	637500,890	47,380	2256	6483207,040	637467,950	47,350
2203	6483276,880	637484,170	46,700	2257	6483192,310	637469,940	48,470
2204	6483264,960	637488,970	47,200	2258	6483186,520	637482,850	48,610
2205	6483267,120	637477,050	46,070	2259	6483172,450	637477,550	49,070
2206	6483282,670	637472,420	45,400	2260	6483181,550	637467,120	48,330
2207	6483290,780	637460,340	44,060	2261	6483172,120	637461,500	48,220
2208	6483274,400	637455,540	44,430	2262	6483155,400	637466,460	49,550

2263	6483152,920	637477,720	50,180	2317	6483109,230	637462,160	46,990
2264	6483164,670	637490,460	50,110	2318	6483094,500	637487,480	45,710
2265	6483140,670	637482,180	47,010	2319	6483111,210	637485,000	49,360
2266	6483141,990	637453,720	48,440	2320	6483128,590	637474,410	49,800
2267	6483141,990	637480,030	50,080	2321	6483100,450	637543,250	44,090
2268	6483143,650	637468,280	49,860	2322	6483097,640	637527,860	45,840
2269	6483154,410	637455,040	48,040	2323	6483087,050	637508,500	45,360
2270	6483138,190	637468,780	49,700	2324	6483112,870	637499,730	49,520
2271	6483175,430	637276,460	38,640	2325	6483253,710	637320,650	38,550
2272	6483172,120	637272,160	38,660	2326	6483245,430	637343,330	39,360
2273	6483170,630	637263,880	37,390	2327	6483307,710	637366,240	38,473
2274	6483162,680	637255,610	36,810	2328	6483313,480	637350,540	38,054
2275	6483161,690	637248,000	36,610	2329	6483315,920	637343,820	37,834
2276	6483161,860	637237,900	33,910	2330	6483315,930	637343,800	37,831
2277	6483162,190	637234,920	35,170	2331	6483265,440	637484,430	47,156
2278	6483164,830	637221,350	35,040	2332	6483123,740	637459,970	47,969
2279	6483138,020	637218,370	35,360	2333	6483135,800	637460,260	48,275
2280	6483138,190	637228,960	35,320	2334	6483146,840	637460,880	48,787
2281	6483137,530	637232,270	33,660	2335	6483156,650	637461,890	48,872
2282	6483130,410	637234,260	36,120	2336	6483101,620	637463,540	46,150
2283	6483144,970	637246,180	36,590	2337	6482958,280	637237,230	40,520
2284	6483146,460	637228,800	35,520	2338	6482959,240	637239,240	41,150
2285	6483160,700	637241,870	36,000	2339	6482963,440	637239,710	40,990
2286	6483175,920	637251,140	36,580	2340	6482966,790	637240,370	41,060
2287	6483109,390	637211,420	35,190	2341	6482969,130	637241,310	41,060
2288	6483107,570	637220,030	35,030	2342	6482970,710	637242,930	41,140
2289	6483107,070	637223,340	33,840	2343	6482973,180	637244,310	41,420
2290	6483105,750	637226,980	36,140	2344	6482975,380	637245,780	41,630
2291	6483103,600	637235,750	36,470	2345	6482977,220	637247,090	41,650
2292	6483039,710	637412,010	43,480	2346	6482978,730	637247,750	41,610
2293	6483059,080	637420,120	44,540	2347	6482980,600	637245,710	41,390
2294	6483028,290	637431,870	41,690	2348	6482981,700	637243,190	41,350
2295	6483019,360	637455,040	41,110	2349	6482982,790	637239,810	41,490
2296	6483047,660	637459,510	42,140	2350	6482983,730	637237,270	41,530
2297	6483053,280	637441,640	42,850	2351	6482981,790	637237,720	42,650
2298	6483011,250	637477,720	41,100	2352	6482980,810	637237,420	42,600
2299	6483018,030	637551,030	41,920	2353	6482981,060	637236,420	42,820
2300	6483014,390	637532,830	42,300	2354	6482981,920	637236,360	42,610
2301	6483026,310	637519,590	41,760	2355	6482984,780	637235,030	40,250
2302	6483040,380	637565,270	42,010	2356	6482986,790	637232,070	39,130
2303	6483043,350	637551,360	42,700	2357	6482992,600	637225,410	37,810
2304	6483044,510	637540,440	42,680	2358	6482990,830	637225,660	38,060
2305	6483061,730	637552,360	42,500	2359	6482990,920	637226,620	37,700
2306	6483050,800	637520,250	42,830	2360	6482989,150	637228,460	38,480
2307	6483068,010	637508,170	43,900	2361	6482983,910	637233,100	40,200
2308	6483032,430	637503,370	41,540	2362	6482982,360	637232,490	39,920
2309	6483039,880	637483,510	41,630	2363	6482979,730	637232,050	39,850
2310	6483058,250	637488,640	42,990	2364	6482978,500	637234,820	40,910
2311	6483054,110	637463,320	42,440	2365	6482977,950	637237,440	41,220
2312	6483077,450	637544,740	43,170	2366	6482979,080	637239,060	41,480
2313	6483076,950	637563,120	42,260	2367	6482980,620	637239,350	41,610
2314	6483072,480	637524,720	43,970	2368	6482977,910	637242,420	41,570
2315	6483080,430	637497,580	45,460	2369	6482975,800	637241,460	41,370
2316	6483126,270	637458,850	48,020	2370	6482973,780	637240,000	40,980

2371	6482965,430	637236,670	41,060	2425	6483085,730	637256,690	35,728
2372	6482966,570	637233,780	40,990	2426	6483086,400	637255,880	36,142
2373	6482964,080	637232,130	40,970	2427	6483087,640	637255,370	35,976
2374	6482961,210	637231,310	40,770	2428	6483084,460	637253,260	36,159
2375	6482953,390	637229,430	39,820	2429	6483082,110	637251,180	35,442
2376	6482951,960	637231,590	39,960	2430	6483079,500	637248,950	35,739
2377	6482959,480	637228,030	42,770	2431	6483078,360	637247,550	35,833
2378	6482960,970	637226,520	42,780	2432	6483076,310	637247,760	35,797
2379	6482963,940	637227,770	42,880	2433	6483075,030	637252,380	35,487
2380	6482963,690	637228,910	43,010	2434	6483071,600	637252,770	35,712
2381	6482966,500	637231,240	42,300	2435	6483065,060	637248,420	35,457
2382	6482967,870	637230,410	42,510	2436	6483059,720	637243,200	35,353
2383	6482970,080	637231,950	42,210	2437	6483049,570	637238,410	35,172
2384	6482969,840	637232,940	42,450	2438	6483045,920	637237,970	35,791
2385	6482971,070	637234,240	42,070	2439	6483040,070	637237,150	35,438
2386	6482971,790	637233,900	42,010	2440	6483034,070	637239,300	36,497
2387	6482990,240	637244,630	36,360	2441	6483032,610	637236,910	35,524
2388	6482988,610	637248,820	36,450	2442	6483025,520	637238,070	35,672
2389	6482986,390	637252,380	36,740	2443	6483016,680	637236,090	35,877
2390	6482984,430	637255,750	36,780	2444	6483008,860	637235,530	36,045
2391	6482982,900	637258,120	36,820	2445	6483003,850	637234,520	35,879
2392	6482981,370	637259,020	37,020	2446	6483000,750	637234,280	36,151
2393	6482980,010	637257,860	37,560	2447	6482998,910	637230,300	36,609
2394	6482975,260	637254,160	37,880	2448	6482997,890	637225,740	37,222
2395	6482970,610	637249,930	37,780	2449	6482997,880	637221,520	37,691
2396	6482968,350	637247,980	37,910	2450	6482998,070	637219,570	37,674
2397	6482967,490	637247,040	37,910	2451	6482999,040	637237,750	36,174
2398	6482964,150	637246,240	37,700	2452	6483005,060	637242,440	35,997
2399	6482960,410	637246,640	37,260	2453	6483016,630	637243,810	35,859
2400	6482956,710	637245,920	37,210	2454	6483026,250	637246,300	35,709
2401	6482955,740	637242,810	37,220	2455	6483038,280	637249,600	35,398
2402	6482953,640	637242,470	36,840	2456	6483045,910	637253,020	35,393
2403	6482950,250	637241,240	36,580	2457	6483056,610	637255,860	35,524
2404	6483094,810	637345,090	37,045	2458	6483063,270	637257,410	35,531
2405	6483094,800	637345,090	37,040	2459	6483070,580	637258,800	35,597
2406	6483095,050	637349,720	37,189	2460	6483076,410	637257,980	35,519
2407	6483095,040	637349,720	37,212	2461	6483079,930	637255,360	35,606
2408	6483097,970	637347,870	37,302	2462	6483082,700	637255,150	35,593
2409	6483098,280	637339,970	37,041	2463	6483082,700	637255,150	35,600
2410	6483097,760	637332,360	36,984	2464	6483069,610	637266,780	35,489
2411	6483100,210	637326,110	36,766	2465	6483062,560	637276,310	35,667
2412	6483101,190	637317,770	36,322	2466	6483060,450	637284,430	35,936
2413	6483100,100	637310,250	36,125	2467	6483065,660	637291,640	36,000
2414	6483096,390	637304,270	36,237	2468	6483071,050	637297,110	36,266
2415	6483091,850	637300,050	36,104	2469	6483079,760	637302,070	36,380
2416	6483085,030	637297,660	36,218	2470	6483076,630	637306,380	36,270
2417	6483078,120	637295,450	36,256	2471	6483078,550	637313,530	36,299
2418	6483074,240	637288,800	36,236	2472	6483086,830	637310,920	36,406
2419	6483069,710	637284,290	36,054	2473	6483091,470	637319,060	36,387
2420	6483068,340	637281,310	36,227	2474	6483083,730	637318,210	36,468
2421	6483073,340	637275,220	35,715	2475	6483081,420	637327,050	36,535
2422	6483076,110	637270,140	35,479	2476	6483087,770	637328,270	36,609
2423	6483079,860	637263,290	35,581	2477	6483092,590	637328,160	36,609
2424	6483083,370	637259,220	35,610	2478	6483094,830	637319,050	36,388

2479	6483075,150	637311,440	36,326	2533	6483066,900	637321,580	40,538
2480	6483074,900	637318,310	36,495	2534	6483068,640	637317,640	40,567
2481	6483071,860	637325,790	36,557	2535	6483069,740	637314,840	40,403
2482	6483067,910	637333,420	36,756	2536	6483067,490	637310,290	40,410
2483	6483062,450	637334,330	36,699	2537	6483064,450	637306,610	40,288
2484	6483052,940	637331,210	36,490	2538	6483061,050	637303,660	40,142
2485	6483044,240	637327,430	36,414	2539	6483058,300	637301,560	40,200
2486	6483041,920	637321,110	36,462	2540	6483054,650	637304,930	40,242
2487	6483045,020	637312,790	36,343	2541	6483052,790	637310,100	40,501
2488	6483047,660	637304,780	36,126	2542	6483050,890	637314,300	40,604
2489	6483049,420	637300,060	35,968	2543	6483049,140	637318,690	40,662
2490	6483054,450	637296,610	35,973	2544	6483048,470	637321,350	40,703
2491	6483060,450	637296,360	36,048	2545	6483050,540	637323,190	40,635
2492	6483066,910	637300,500	36,166	2546	6483055,790	637324,790	40,569
2493	6483072,200	637306,150	36,261	2547	6483059,910	637326,360	40,667
2494	6483074,430	637310,400	36,298	2548	6483062,670	637327,990	40,530
2495	6483080,910	637326,900	36,601	2549	6483060,920	637321,990	40,463
2496	6483081,670	637335,680	36,800	2550	6483062,380	637317,310	40,679
2497	6483086,950	637336,100	36,898	2551	6483062,540	637312,470	40,443
2498	6483090,340	637339,290	36,686	2552	6483060,030	637308,910	40,297
2499	6483090,460	637344,390	36,985	2553	6483057,760	637312,310	40,343
2500	6483089,500	637348,370	37,245	2554	6483055,290	637316,650	40,444
2501	6483089,900	637349,370	37,254	2555	6483053,200	637319,760	40,607
2502	6483087,470	637349,310	38,701	2556	6483042,040	637313,790	36,423
2503	6483088,260	637350,470	38,865	2557	6483043,900	637329,540	36,404
2504	6483085,780	637352,070	38,412	2558	6483052,510	637332,780	36,482
2505	6483085,360	637350,550	38,528	2559	6483061,400	637336,320	36,684
2506	6483084,450	637348,410	39,994	2560	6483068,500	637337,960	37,031
2507	6483087,180	637345,700	40,001	2561	6483068,020	637343,750	37,336
2508	6483086,870	637342,030	39,806	2562	6483061,250	637342,230	36,817
2509	6483085,670	637340,290	39,681	2563	6483055,390	637338,970	36,676
2510	6483082,420	637339,680	39,801	2564	6483048,910	637335,900	36,734
2511	6483080,050	637340,710	39,804	2565	6483043,550	637333,530	36,678
2512	6483079,810	637345,430	39,914	2566	6483039,130	637333,840	36,675
2513	6483079,860	637347,800	40,306	2567	6483037,370	637336,920	36,572
2514	6483083,040	637348,370	40,195	2568	6483034,800	637337,590	36,559
2515	6483082,900	637344,480	39,907	2569	6483030,330	637335,630	36,689
2516	6483083,660	637351,030	38,556	2570	6483030,690	637332,600	36,516
2517	6483083,920	637352,750	38,403	2571	6483028,180	637329,720	36,413
2518	6483079,990	637352,060	38,280	2572	6483024,910	637326,430	36,369
2519	6483080,580	637350,770	38,572	2573	6483021,090	637323,730	36,589
2520	6483077,010	637350,510	38,172	2574	6483016,910	637323,500	36,740
2521	6483077,630	637349,650	38,179	2575	6483013,700	637323,880	36,827
2522	6483074,370	637347,020	37,244	2576	6483012,650	637320,760	36,994
2523	6483075,830	637346,510	37,407	2577	6483010,960	637318,810	37,088
2524	6483073,140	637343,430	37,385	2578	6483016,660	637314,960	36,754
2525	6483075,840	637342,560	37,302	2579	6483021,700	637316,330	36,623
2526	6483077,790	637339,340	37,280	2580	6483026,470	637319,400	36,387
2527	6483079,610	637337,160	37,402	2581	6483031,760	637323,130	36,355
2528	6483069,380	637336,840	36,938	2582	6483035,150	637330,740	36,551
2529	6483068,100	637331,040	37,428	2583	6483035,160	637329,550	36,448
2530	6483068,130	637331,100	37,266	2584	6483037,170	637317,660	36,389
2531	6483064,460	637328,010	40,617	2585	6483027,270	637309,770	36,360
2532	6483065,200	637324,800	40,580	2586	6483019,280	637303,680	36,594

2587	6483012,130	637297,870	36,598	2641	6483023,080	637258,350	40,068
2588	6483003,550	637290,980	36,622	2642	6483018,980	637259,150	40,121
2589	6483003,550	637290,980	36,619	2643	6483015,910	637260,550	40,027
2590	6483000,920	637287,260	36,737	2644	6483013,010	637264,200	40,326
2591	6483001,960	637288,370	36,632	2645	6483011,800	637266,710	39,976
2592	6483001,960	637288,370	36,610	2646	6483010,900	637270,690	40,051
2593	6483001,970	637288,380	36,622	2647	6483008,170	637274,210	40,330
2594	6483007,790	637290,580	36,433	2648	6483006,480	637277,430	40,281
2595	6483002,850	637288,190	36,542	2649	6483005,280	637280,530	40,449
2596	6482999,880	637283,560	36,992	2650	6483004,730	637282,860	40,413
2597	6483001,350	637278,180	37,147	2651	6483008,710	637284,400	40,557
2598	6483003,550	637272,680	36,879	2652	6483011,840	637286,850	40,499
2599	6483005,430	637269,000	36,678	2653	6483015,140	637287,780	40,629
2600	6483005,600	637265,110	36,574	2654	6483018,730	637285,070	40,541
2601	6483007,430	637261,560	36,525	2655	6483021,200	637280,850	40,529
2602	6483012,690	637256,000	36,370	2656	6483024,890	637275,140	40,376
2603	6483019,650	637253,080	36,211	2657	6483028,520	637271,910	40,335
2604	6483025,170	637252,830	35,953	2658	6483031,440	637269,610	40,240
2605	6483029,880	637257,750	35,786	2659	6483031,090	637267,180	40,175
2606	6483032,970	637260,370	35,490	2660	6483027,970	637264,530	40,034
2607	6483037,670	637265,020	35,631	2661	6483025,440	637262,750	40,098
2608	6483037,350	637271,760	35,782	2662	6483024,340	637260,740	39,930
2609	6483032,310	637277,850	35,938	2663	6483023,920	637258,860	39,956
2610	6483025,970	637286,670	36,153	2664	6483022,320	637258,410	39,975
2611	6483020,180	637292,400	36,246	2665	6483014,290	637263,980	40,232
2612	6483014,290	637293,530	36,335	2666	6483024,510	637269,810	40,384
2613	6483019,370	637302,840	36,580	2667	6483020,480	637265,530	40,361
2614	6483028,090	637305,080	36,378	2668	6483016,010	637269,960	40,289
2615	6483035,130	637307,650	36,427	2669	6483019,700	637274,240	40,307
2616	6483040,050	637310,250	36,353	2670	6483016,930	637279,240	40,391
2617	6483043,490	637299,990	36,134	2671	6483011,970	637276,510	40,345
2618	6483037,150	637294,840	36,238	2672	6483009,360	637279,980	40,438
2619	6483032,330	637291,550	36,304	2673	6483014,270	637283,640	40,559
2620	6483037,690	637283,270	36,038	2674	6483001,610	637291,700	36,666
2621	6483044,680	637288,470	35,956	2675	6483004,390	637293,950	36,802
2622	6483051,350	637293,490	35,888	2676	6483006,340	637299,880	36,558
2623	6483057,800	637288,930	35,887	2677	6483004,300	637303,850	37,003
2624	6483052,710	637284,720	35,818	2678	6483002,400	637310,370	37,104
2625	6483046,520	637280,070	35,750	2679	6483003,510	637317,000	37,086
2626	6483040,390	637275,000	35,780	2680	6483007,310	637324,180	37,312
2627	6483044,900	637266,700	35,480	2681	6483008,790	637329,400	37,972
2628	6483052,440	637275,540	35,658	2682	6483011,250	637334,600	38,651
2629	6483057,030	637280,790	35,758	2683	6483010,620	637335,000	38,924
2630	6483060,770	637271,260	35,664	2684	6483013,500	637338,770	39,142
2631	6483061,650	637268,630	35,590	2685	6483008,520	637332,050	38,731
2632	6483052,040	637262,630	35,511	2686	6483006,660	637327,630	38,799
2633	6483046,750	637257,640	35,401	2687	6483005,640	637324,050	38,544
2634	6483041,430	637261,410	35,449	2688	6483002,640	637320,350	38,601
2635	6483035,890	637254,500	35,504	2689	6483000,920	637314,960	38,533
2636	6483036,730	637249,350	35,410	2690	6483000,290	637309,260	38,600
2637	6483031,090	637240,340	35,333	2691	6483001,570	637304,650	38,430
2638	6483031,080	637240,340	35,333	2692	6483003,810	637299,680	38,352
2639	6483026,770	637247,700	35,762	2693	6483003,570	637296,600	38,245
2640	6483029,160	637258,990	36,355	2694	6483000,480	637294,470	38,148

2695	6482998,910	637291,910	37,910	2749	6483026,300	637332,400	39,765
2696	6482998,540	637288,380	37,715	2750	6483027,160	637334,510	40,122
2697	6482998,610	637283,810	37,652	2751	6483026,960	637336,550	40,500
2698	6482999,850	637280,110	37,601	2752	6483026,870	637338,470	40,553
2699	6483001,790	637274,940	37,350	2753	6483030,510	637340,410	40,787
2700	6483003,390	637270,160	37,010	2754	6483034,170	637340,750	40,877
2701	6483004,680	637266,000	36,857	2755	6483038,320	637340,000	40,811
2702	6483005,750	637262,270	36,579	2756	6483040,260	637339,110	40,879
2703	6482997,200	637269,740	36,993	2757	6483045,070	637340,540	40,928
2704	6482993,030	637278,630	37,274	2758	6483049,060	637342,040	41,128
2705	6482991,840	637285,380	37,411	2759	6483054,230	637344,970	41,231
2706	6482990,900	637291,520	37,503	2760	6483061,350	637348,890	41,700
2707	6482985,900	637294,860	37,434	2761	6483065,480	637349,880	42,185
2708	6482978,330	637298,200	37,435	2762	6483070,150	637350,250	42,178
2709	6482977,140	637305,490	37,474	2763	6483072,720	637349,980	42,322
2710	6482984,460	637306,220	37,626	2764	6483073,970	637351,830	42,016
2711	6482991,140	637304,460	38,012	2765	6483075,390	637352,390	42,320
2712	6482994,940	637301,640	38,118	2766	6483077,280	637352,860	42,429
2713	6482993,670	637308,810	38,295	2767	6483073,660	637353,420	42,131
2714	6482995,070	637314,890	38,302	2768	6483071,590	637356,430	42,113
2715	6482988,570	637313,260	38,109	2769	6483072,600	637359,390	42,268
2716	6482982,300	637310,870	37,589	2770	6483076,070	637361,560	42,442
2717	6482975,880	637308,670	37,445	2771	6483079,160	637361,330	42,469
2718	6482973,950	637311,230	37,545	2772	6483080,310	637358,800	42,380
2719	6482976,630	637315,610	37,842	2773	6483079,510	637356,410	42,341
2720	6482978,430	637318,680	37,837	2774	6483079,000	637353,890	42,401
2721	6482979,820	637322,910	38,075	2775	6483076,220	637356,690	44,477
2722	6482982,840	637318,750	37,807	2776	6483084,050	637354,490	42,354
2723	6482986,690	637319,000	38,062	2777	6483086,720	637352,850	42,144
2724	6482992,700	637319,320	38,250	2778	6483089,320	637352,120	42,091
2725	6482996,750	637319,370	38,342	2779	6483092,830	637353,560	42,307
2726	6482995,840	637325,160	38,571	2780	6483095,180	637353,540	42,108
2727	6482989,450	637325,450	38,476	2781	6483098,000	637353,570	42,032
2728	6482984,270	637325,430	38,194	2782	6483099,510	637351,920	41,905
2729	6482980,060	637326,310	38,102	2783	6483100,910	637356,170	42,063
2730	6482979,190	637331,080	38,350	2784	6483097,030	637357,360	42,105
2731	6482979,020	637335,650	38,593	2785	6483092,650	637361,500	42,274
2732	6482978,700	637337,250	38,918	2786	6483092,150	637365,170	42,502
2733	6482984,520	637337,650	38,451	2787	6483095,020	637367,740	42,731
2734	6482989,970	637337,260	38,587	2788	6483100,550	637368,220	42,606
2735	6482993,680	637335,160	38,771	2789	6483105,980	637367,430	42,630
2736	6482998,430	637335,500	38,927	2790	6483110,800	637366,210	42,637
2737	6483000,790	637330,240	38,629	2791	6483113,830	637364,280	42,538
2738	6482995,020	637325,570	38,581	2792	6483114,620	637361,820	42,582
2739	6482984,490	637331,100	38,192	2793	6483113,830	637358,210	42,180
2740	6482984,490	637331,090	38,184	2794	6483112,710	637357,390	42,308
2741	6483093,940	637342,520	36,896	2795	6483109,650	637355,760	41,968
2742	6483093,950	637342,520	36,894	2796	6483106,020	637356,750	42,098
2743	6483011,090	637322,300	37,321	2797	6483102,130	637356,090	42,023
2744	6483013,490	637326,450	37,979	2798	6483110,330	637357,740	43,073
2745	6483015,540	637328,530	38,632	2799	6483110,860	637360,770	44,500
2746	6483018,690	637327,400	38,799	2800	6483111,100	637361,290	44,504
2747	6483020,510	637328,010	38,882	2801	6483107,780	637361,780	45,223
2748	6483023,670	637331,020	39,246	2802	6483107,950	637362,520	45,247

2803	6483103,950	637362,960	45,601	2857	6483099,530	637349,420	41,751
2804	6483103,980	637361,980	45,570	2858	6483099,110	637344,870	41,751
2805	6483100,190	637362,540	45,700	2859	6483100,120	637341,680	42,045
2806	6483100,590	637363,330	45,750	2860	6483100,520	637338,480	39,868
2807	6483098,230	637364,130	45,423	2861	6483101,740	637334,420	39,741
2808	6483097,950	637363,370	45,374	2862	6483103,790	637329,080	39,707
2809	6483096,480	637364,330	44,831	2863	6483104,870	637325,750	39,566
2810	6483097,150	637364,930	44,915	2864	6483101,460	637330,090	38,551
2811	6483090,600	637373,110	42,934	2865	6483099,710	637335,040	38,582
2812	6483087,010	637373,070	42,867	2866	6483102,370	637324,340	38,516
2813	6483084,960	637375,880	42,745	2867	6483103,130	637321,290	38,572
2814	6483087,160	637379,390	42,800	2868	6483104,880	637321,260	38,569
2815	6483089,800	637380,490	42,810	2869	6483106,530	637321,890	39,954
2816	6483092,190	637379,010	42,790	2870	6483105,850	637317,710	38,530
2817	6483092,400	637376,580	42,870	2871	6483107,780	637317,490	39,907
2818	6483092,450	637373,680	42,931	2872	6483104,400	637316,660	38,367
2819	6483089,600	637373,230	42,955	2873	6483103,640	637314,970	39,917
2820	6483089,750	637374,890	43,857	2874	6483106,100	637317,820	38,470
2821	6483088,320	637375,110	43,964	2875	6483103,040	637314,330	40,036
2822	6483087,900	637376,100	44,113	2876	6483101,570	637312,170	39,875
2823	6483088,910	637377,260	43,988	2877	6483101,680	637307,180	39,824
2824	6483090,050	637376,850	44,043	2878	6483100,100	637302,950	39,420
2825	6483089,410	637378,620	43,816	2879	6483095,500	637298,620	38,881
2826	6483090,090	637378,330	43,790	2880	6483092,460	637297,290	38,892
2827	6483096,230	637385,230	42,890	2881	6483089,680	637295,960	38,999
2828	6483094,190	637388,810	43,000	2882	6483086,210	637294,590	38,306
2829	6483094,370	637394,380	43,158	2883	6483083,560	637292,330	38,344
2830	6483098,760	637398,880	43,205	2884	6483081,920	637293,110	38,882
2831	6483103,620	637400,010	43,108	2885	6483080,720	637293,870	38,697
2832	6483108,020	637398,030	42,880	2886	6483079,120	637292,350	38,765
2833	6483110,950	637394,600	42,727	2887	6483078,120	637287,850	38,824
2834	6483111,910	637390,630	42,716	2888	6483076,520	637286,110	38,763
2835	6483110,600	637386,380	42,603	2889	6483075,470	637283,550	38,494
2836	6483107,520	637384,900	42,842	2890	6483077,140	637280,510	37,683
2837	6483103,010	637383,660	42,989	2891	6483079,070	637276,000	37,558
2838	6483099,760	637383,520	42,978	2892	6483082,570	637271,780	37,646
2839	6483099,000	637391,400	46,696	2893	6483085,640	637267,370	37,696
2840	6483100,430	637393,810	46,865	2894	6483089,400	637262,520	37,911
2841	6483103,040	637394,530	46,764	2895	6483092,950	637257,010	38,257
2842	6483104,670	637394,220	46,205	2896	6483092,240	637255,910	38,364
2843	6483106,060	637392,230	46,408	2897	6483074,370	637281,810	37,414
2844	6483105,630	637390,600	46,230	2898	6483073,230	637283,760	37,413
2845	6483103,450	637389,230	46,463	2899	6483071,590	637282,460	37,569
2846	6483101,100	637389,130	46,495	2900	6483072,340	637281,240	37,461
2847	6483099,300	637389,530	46,657	2901	6483084,910	637279,560	38,006
2848	6483102,200	637391,530	46,601	2902	6483089,840	637286,900	38,170
2849	6483103,360	637392,230	46,426	2903	6483095,930	637293,500	38,569
2850	6483103,240	637377,130	42,641	2904	6483102,240	637298,280	38,530
2851	6483097,530	637375,480	42,785	2905	6483105,570	637301,880	39,030
2852	6483091,950	637370,420	42,799	2906	6483111,550	637301,290	38,947
2853	6483084,760	637365,990	42,530	2907	6483119,060	637301,780	38,817
2854	6483086,660	637360,570	42,361	2908	6483131,610	637301,960	38,589
2855	6483092,040	637357,730	42,142	2909	6483131,600	637301,960	38,582
2856	6483096,590	637356,180	42,046	2910	6483128,290	637312,840	39,046

2911	6483118,260	637311,400	39,519	2965	6483136,720	637345,550	40,038
2912	6483111,110	637309,940	39,813	2966	6483132,490	637337,320	39,804
2913	6483113,290	637315,520	39,746	2967	6483127,880	637331,640	39,572
2914	6483114,640	637321,550	39,660	2968	6483129,050	637322,650	39,116
2915	6483113,140	637327,110	39,485	2969	6483129,600	637313,680	39,014
2916	6483108,350	637330,710	39,557	2970	6483138,130	637307,130	38,860
2917	6483102,880	637337,090	40,099	2971	6483138,710	637320,010	39,018
2918	6483106,880	637334,500	39,759	2972	6483139,760	637329,000	39,630
2919	6483113,160	637334,850	39,620	2973	6483140,590	637337,860	39,943
2920	6483118,280	637336,460	39,644	2974	6483143,910	637347,310	40,067
2921	6483124,220	637339,950	39,703	2975	6483144,450	637355,130	40,109
2922	6483126,510	637343,430	39,764	2976	6483142,940	637361,730	40,276
2923	6483127,090	637347,380	39,909	2977	6483143,010	637365,650	40,352
2924	6483123,690	637351,080	39,827	2978	6483151,940	637364,130	40,326
2925	6483119,860	637355,770	39,911	2979	6483151,910	637352,370	40,298
2926	6483116,630	637355,660	40,583	2980	6483152,920	637342,280	40,150
2927	6483113,620	637354,970	41,792	2981	6483156,740	637334,550	40,096
2928	6483108,290	637353,560	41,840	2982	6483159,950	637328,830	39,771
2929	6483104,280	637352,320	41,980	2983	6483163,890	637323,090	39,361
2930	6483101,460	637350,040	41,970	2984	6483171,170	637317,190	38,632
2931	6483100,710	637347,450	41,841	2985	6483177,450	637314,900	37,508
2932	6483101,580	637344,550	42,126	2986	6483182,980	637315,510	37,375
2933	6483101,730	637342,250	41,888	2987	6483182,980	637315,510	37,367
2934	6483114,190	637357,520	42,091	2988	6483166,480	637324,740	39,418
2935	6483115,360	637360,080	42,313	2989	6483162,710	637332,350	39,801
2936	6483117,530	637362,490	42,190	2990	6483160,890	637339,410	40,143
2937	6483119,750	637364,360	42,194	2991	6483160,000	637348,080	40,267
2938	6483122,000	637365,960	41,183	2992	6483159,500	637354,250	40,362
2939	6483125,670	637365,850	40,166	2993	6483157,710	637367,440	40,282
2940	6483123,090	637362,920	39,877	2994	6483162,510	637372,170	40,189
2941	6483120,840	637360,250	39,994	2995	6483163,300	637377,250	40,255
2942	6483118,540	637357,960	40,005	2996	6483170,230	637386,400	40,198
2943	6483123,780	637356,190	40,094	2997	6483176,040	637395,760	40,066
2944	6483125,600	637352,440	39,961	2998	6483187,380	637405,650	39,693
2945	6483128,740	637350,940	39,951	2999	6483193,300	637410,360	39,735
2946	6483131,050	637352,160	40,022	3000	6483205,070	637415,630	39,848
2947	6483131,850	637355,950	39,972	3001	6483211,200	637419,750	40,015
2948	6483129,260	637358,990	39,933	3002	6483218,590	637425,280	40,078
2949	6483128,410	637361,150	39,975	3003	6483225,250	637429,460	39,999
2950	6483127,950	637363,860	40,104	3004	6483229,140	637431,320	39,811
2951	6483126,280	637364,790	40,096	3005	6483238,840	637428,040	38,189
2952	6483124,780	637364,380	40,000	3006	6483250,650	637425,860	37,253
2953	6483123,750	637360,520	39,711	3007	6483258,990	637421,780	36,015
2954	6483122,990	637357,250	40,097	3008	6483263,320	637415,700	36,355
2955	6483126,120	637362,340	40,887	3009	6483260,190	637410,720	36,029
2956	6483126,770	637362,390	40,772	3010	6483259,300	637405,070	35,748
2957	6483126,320	637359,650	41,232	3011	6483259,310	637405,070	35,746
2958	6483125,900	637359,800	41,164	3012	6483259,310	637405,070	35,743
2959	6483127,630	637356,740	41,753	3013	6483257,940	637408,920	35,950
2960	6483127,160	637356,340	41,886	3014	6483260,920	637409,100	35,963
2961	6483128,210	637354,520	42,215	3015	6483259,780	637403,900	35,909
2962	6483128,870	637354,940	42,173	3016	6483256,520	637404,070	36,041
2963	6483135,730	637363,070	40,135	3017	6483257,770	637399,930	36,321
2964	6483137,460	637354,870	40,017	3018	6483260,750	637402,040	36,427

3019	6483262,910	637406,080	36,712	3073	6483220,290	637407,570	39,928
3020	6483265,540	637408,950	36,685	3074	6483221,580	637405,180	39,340
3021	6483265,280	637404,270	36,688	3075	6483220,210	637403,360	39,437
3022	6483261,020	637400,410	36,472	3076	6483219,230	637404,100	39,515
3023	6483257,350	637398,080	36,582	3077	6483218,290	637404,820	40,335
3024	6483254,330	637393,280	36,914	3078	6483217,320	637403,130	39,712
3025	6483254,210	637397,310	37,324	3079	6483220,660	637403,170	39,504
3026	6483253,570	637401,950	37,190	3080	6483222,360	637403,800	39,977
3027	6483253,920	637405,880	37,103	3081	6483222,750	637403,550	39,952
3028	6483254,790	637409,270	36,692	3082	6483222,600	637400,770	40,369
3029	6483255,710	637413,360	36,455	3083	6483221,960	637400,710	40,328
3030	6483256,090	637415,310	37,700	3084	6483223,910	637398,580	40,714
3031	6483251,790	637413,440	36,897	3085	6483223,360	637398,160	40,595
3032	6483250,480	637415,140	38,162	3086	6483225,240	637397,050	40,839
3033	6483246,860	637411,560	36,854	3087	6483224,720	637397,010	40,699
3034	6483245,160	637411,900	37,818	3088	6483220,630	637400,300	39,656
3035	6483243,610	637408,760	36,823	3089	6483221,960	637397,290	39,725
3036	6483243,430	637410,830	37,817	3090	6483223,870	637395,410	39,429
3037	6483238,990	637408,580	37,389	3091	6483225,340	637394,350	39,160
3038	6483239,010	637408,590	37,331	3092	6483226,240	637394,810	39,523
3039	6483237,280	637409,200	38,701	3093	6483227,310	637392,510	38,807
3040	6483237,970	637405,950	38,202	3094	6483227,760	637393,460	39,302
3041	6483236,060	637405,740	39,185	3095	6483230,010	637392,820	38,337
3042	6483237,230	637403,720	38,132	3096	6483229,600	637393,850	38,539
3043	6483240,690	637404,250	37,974	3097	6483228,820	637394,610	38,601
3044	6483244,170	637404,100	37,986	3098	6483228,690	637396,170	38,281
3045	6483247,830	637405,330	37,600	3099	6483228,740	637397,960	38,078
3046	6483249,880	637408,120	37,214	3100	6483224,440	637390,230	39,255
3047	6483249,880	637408,130	37,225	3101	6483222,340	637392,890	39,387
3048	6483247,110	637401,430	38,807	3102	6483220,210	637395,640	39,854
3049	6483246,090	637397,860	38,206	3103	6483217,990	637398,880	39,934
3050	6483249,510	637396,480	37,184	3104	6483215,210	637400,470	40,117
3051	6483252,050	637392,780	37,372	3105	6483213,720	637402,330	39,977
3052	6483242,080	637397,180	37,658	3106	6483215,330	637404,660	39,688
3053	6483238,440	637399,460	37,881	3107	6483216,220	637405,330	40,348
3054	6483234,490	637398,420	38,146	3108	6483212,190	637407,710	39,766
3055	6483233,860	637395,480	38,037	3109	6483212,950	637408,840	40,442
3056	6483233,420	637401,770	38,946	3110	6483212,260	637413,270	39,628
3057	6483233,460	637402,870	38,181	3111	6483213,530	637412,540	40,569
3058	6483229,840	637400,190	38,104	3112	6483216,540	637415,640	39,765
3059	6483228,920	637402,300	39,532	3113	6483217,240	637414,470	40,549
3060	6483228,740	637398,020	38,102	3114	6483220,540	637416,560	39,399
3061	6483228,720	637398,000	38,041	3115	6483220,580	637415,340	39,947
3062	6483226,230	637400,630	38,712	3116	6483224,680	637418,010	38,939
3063	6483226,640	637401,680	38,709	3117	6483225,490	637416,760	39,677
3064	6483227,530	637402,630	39,550	3118	6483228,380	637421,530	38,703
3065	6483224,360	637403,450	39,068	3119	6483229,750	637421,020	39,243
3066	6483225,640	637404,520	38,920	3120	6483230,120	637424,850	38,904
3067	6483226,750	637405,600	39,715	3121	6483230,370	637423,390	39,792
3068	6483223,780	637404,530	39,278	3122	6483234,220	637425,380	38,441
3069	6483222,750	637405,920	39,122	3123	6483233,990	637423,850	39,361
3070	6483223,130	637406,810	39,368	3124	6483239,810	637422,670	37,530
3071	6483222,940	637408,140	40,066	3125	6483238,620	637421,410	38,453
3072	6483220,730	637405,990	39,156	3126	6483245,430	637419,630	36,920

3127	6483243,960	637418,170	38,040	3181	6483217,660	637396,470	40,141
3128	6483250,260	637419,650	36,844	3182	6483207,880	637398,140	40,327
3129	6483250,690	637417,820	37,654	3183	6483202,320	637395,210	40,496
3130	6483255,760	637419,140	36,732	3184	6483199,710	637392,790	40,944
3131	6483255,790	637417,490	37,588	3185	6483198,240	637388,690	41,343
3132	6483259,880	637419,900	36,196	3186	6483197,450	637385,770	41,688
3133	6483259,570	637418,160	37,288	3187	6483199,960	637383,390	42,261
3134	6483262,200	637417,850	36,153	3188	6483203,060	637383,340	42,555
3135	6483260,130	637417,420	37,229	3189	6483206,000	637384,480	42,682
3136	6483261,260	637415,470	36,368	3190	6483207,320	637384,890	43,001
3137	6483259,670	637416,750	37,546	3191	6483208,190	637387,920	43,584
3138	6483258,650	637413,670	36,305	3192	6483209,140	637387,880	43,646
3139	6483257,530	637415,660	37,153	3193	6483208,810	637390,080	43,375
3140	6483263,320	637420,170	36,030	3194	6483209,870	637389,840	43,618
3141	6483264,590	637414,210	36,194	3195	6483206,210	637389,640	44,652
3142	6483265,320	637416,980	36,839	3196	6483205,720	637389,970	44,460
3143	6483264,510	637418,090	36,633	3197	6483206,530	637388,860	44,576
3144	6483264,570	637419,380	36,231	3198	6483205,290	637387,430	44,773
3145	6483264,610	637422,930	36,115	3199	6483204,050	637389,260	44,546
3146	6483267,280	637417,240	36,011	3200	6483203,060	637388,100	44,488
3147	6483268,400	637412,600	36,028	3201	6483203,920	637387,210	44,694
3148	6483270,680	637408,530	36,659	3202	6483201,460	637386,280	43,381
3149	6483271,760	637405,640	36,552	3203	6483201,040	637387,180	43,321
3150	6483273,090	637403,210	36,869	3204	6483199,390	637386,420	43,153
3151	6483272,570	637400,640	36,932	3205	6483200,210	637385,440	43,026
3152	6483270,510	637398,930	36,766	3206	6483201,800	637385,310	43,237
3153	6483266,030	637397,620	36,835	3207	6483209,520	637388,610	43,601
3154	6483260,430	637395,530	36,607	3208	6483212,380	637388,630	44,904
3155	6483258,010	637392,400	36,809	3209	6483213,030	637388,470	44,921
3156	6483257,210	637388,640	37,082	3210	6483211,890	637384,560	45,428
3157	6483256,000	637386,940	37,283	3211	6483212,680	637384,370	45,439
3158	6483252,150	637388,080	37,250	3212	6483213,240	637380,570	45,257
3159	6483249,400	637388,340	37,468	3213	6483212,770	637380,470	45,154
3160	6483247,140	637388,570	37,703	3214	6483213,260	637377,260	44,838
3161	6483245,320	637392,210	37,617	3215	6483213,930	637377,880	44,907
3162	6483241,810	637394,060	37,671	3216	6483214,360	637375,960	44,823
3163	6483235,960	637393,460	37,847	3217	6483214,780	637376,540	44,901
3164	6483232,370	637390,710	38,113	3218	6483214,620	637376,250	45,217
3165	6483227,830	637388,470	38,819	3219	6483207,270	637381,570	42,393
3166	6483224,890	637386,370	39,426	3220	6483209,530	637377,500	42,570
3167	6483222,340	637386,300	39,558	3221	6483211,670	637373,050	42,066
3168	6483219,760	637387,990	39,871	3222	6483215,520	637371,390	41,712
3169	6483218,690	637391,660	39,968	3223	6483219,300	637373,140	41,516
3170	6483217,790	637393,570	40,029	3224	6483219,820	637376,580	41,521
3171	6483215,600	637394,540	40,919	3225	6483219,240	637379,140	41,936
3172	6483213,300	637395,170	40,682	3226	6483218,600	637381,850	42,242
3173	6483210,910	637394,960	40,731	3227	6483218,750	637383,400	42,170
3174	6483207,660	637395,440	40,702	3228	6483221,700	637383,050	42,039
3175	6483204,150	637395,570	40,483	3229	6483224,490	637383,040	41,956
3176	6483205,200	637400,010	40,182	3230	6483228,200	637384,040	41,976
3177	6483208,170	637403,710	40,136	3231	6483230,670	637385,330	41,906
3178	6483211,860	637402,040	40,542	3232	6483233,900	637386,270	41,849
3179	6483216,770	637399,920	40,070	3233	6483236,070	637387,660	41,660
3180	6483215,050	637398,610	40,301	3234	6483237,910	637389,130	41,604

3235	6483240,230	637389,630	41,636	3289	6483234,460	637361,810	40,382
3236	6483241,120	637388,930	41,801	3290	6483234,510	637361,800	40,261
3237	6483239,250	637388,670	41,787	3291	6483228,300	637367,730	40,584
3238	6483237,690	637387,380	41,914	3292	6483224,870	637371,380	40,950
3239	6483236,810	637384,730	42,343	3293	6483224,440	637374,740	41,495
3240	6483236,620	637381,770	42,905	3294	6483223,920	637378,340	41,675
3241	6483236,670	637377,780	43,316	3295	6483232,520	637371,880	43,403
3242	6483236,700	637376,060	43,402	3296	6483235,330	637369,520	43,664
3243	6483238,060	637374,090	44,186	3297	6483238,360	637369,500	43,592
3244	6483234,360	637373,970	43,377	3298	6483239,430	637370,230	44,023
3245	6483235,050	637372,430	44,096	3299	6483238,080	637372,530	44,043
3246	6483233,200	637372,340	43,457	3300	6483247,720	637375,120	40,346
3247	6483230,850	637371,810	43,448	3301	6483245,850	637383,940	40,488
3248	6483228,940	637373,300	43,411	3302	6483249,300	637384,070	40,121
3249	6483227,770	637375,790	43,280	3303	6483251,890	637384,120	40,032
3250	6483226,560	637378,380	42,905	3304	6483253,810	637383,100	40,091
3251	6483226,390	637381,160	42,394	3305	6483252,220	637381,410	40,316
3252	6483231,150	637380,540	42,822	3306	6483252,220	637381,420	40,310
3253	6483233,100	637377,640	43,266	3307	6483251,340	637379,630	40,344
3254	6483240,930	637385,040	44,105	3308	6483247,080	637380,580	40,065
3255	6483240,160	637385,100	43,999	3309	6483247,180	637376,920	40,271
3256	6483239,800	637381,240	44,786	3310	6483248,340	637377,500	40,938
3257	6483239,650	637381,060	45,418	3311	6483247,920	637373,630	40,189
3258	6483241,170	637380,450	45,747	3312	6483249,450	637374,300	41,140
3259	6483241,000	637381,330	44,960	3313	6483248,870	637371,020	39,860
3260	6483240,600	637376,880	45,110	3314	6483250,310	637371,790	40,607
3261	6483239,690	637376,890	45,030	3315	6483250,540	637367,500	39,719
3262	6483240,490	637371,820	44,919	3316	6483251,610	637361,530	39,446
3263	6483241,360	637372,130	44,991	3317	6483252,620	637356,540	39,312
3264	6483243,090	637367,260	44,646	3318	6483253,430	637352,370	39,131
3265	6483241,800	637367,210	44,732	3319	6483255,160	637347,580	38,913
3266	6483243,860	637363,410	44,604	3320	6483256,140	637344,140	38,982
3267	6483244,430	637363,720	44,640	3321	6483257,640	637341,450	39,100
3268	6483245,450	637359,000	43,249	3322	6483256,820	637338,870	38,954
3269	6483244,500	637359,040	43,232	3323	6483256,410	637343,470	38,979
3270	6483245,920	637354,990	42,632	3324	6483256,220	637342,830	39,158
3271	6483246,870	637355,030	42,594	3325	6483262,010	637346,160	38,945
3272	6483248,320	637351,010	42,150	3326	6483262,670	637345,590	39,427
3273	6483247,640	637350,780	42,018	3327	6483265,610	637349,290	38,849
3274	6483249,460	637348,850	42,186	3328	6483266,180	637348,810	39,355
3275	6483248,640	637348,600	42,169	3329	6483272,550	637354,930	38,742
3276	6483249,760	637346,200	41,848	3330	6483273,060	637354,010	39,033
3277	6483250,390	637346,450	41,804	3331	6483277,410	637358,730	38,803
3278	6483251,030	637343,170	41,395	3332	6483277,950	637358,180	39,070
3279	6483250,410	637343,120	41,577	3333	6483283,710	637362,220	38,639
3280	6483250,490	637343,090	41,420	3334	6483284,080	637361,570	38,789
3281	6483251,660	637340,570	41,054	3335	6483290,070	637366,180	38,607
3282	6483250,870	637340,600	40,919	3336	6483290,680	637365,040	38,633
3283	6483254,250	637337,360	38,970	3337	6483294,900	637367,420	38,638
3284	6483251,630	637336,510	39,085	3338	6483295,910	637367,800	38,763
3285	6483248,420	637338,250	39,229	3339	6483293,000	637372,850	38,664
3286	6483246,610	637343,900	39,457	3340	6483293,770	637373,200	39,039
3287	6483242,410	637351,130	39,732	3341	6483290,740	637379,670	38,858
3288	6483239,600	637357,290	40,053	3342	6483290,390	637379,810	38,874

3343	6483291,480	637380,360	39,482	3397	6483265,340	637363,730	39,207
3344	6483287,930	637386,340	39,268	3398	6483265,410	637360,760	39,164
3345	6483288,800	637387,070	39,926	3399	6483262,190	637356,470	39,153
3346	6483285,100	637393,740	39,620	3400	6483257,980	637354,690	39,155
3347	6483285,960	637394,080	40,008	3401	6483258,990	637349,710	38,934
3348	6483283,790	637398,000	39,977	3402	6483264,910	637354,530	39,091
3349	6483284,320	637398,410	40,233	3403	6483267,210	637353,110	39,006
3350	6483282,360	637401,240	40,273	3404	6483269,720	637354,700	38,913
3351	6483282,980	637401,440	40,453	3405	6483269,670	637357,490	39,023
3352	6483283,200	637395,840	39,742	3406	6483267,590	637359,090	39,166
3353	6483283,390	637397,410	39,947	3407	6483265,480	637357,980	39,219
3354	6483282,770	637396,020	39,853	3408	6483264,630	637356,110	39,219
3355	6483280,790	637394,350	39,962	3409	6483264,620	637356,130	39,261
3356	6483282,600	637391,090	39,783	3410	6483266,390	637356,630	39,982
3357	6483283,830	637387,830	39,652	3411	6483267,250	637356,930	40,138
3358	6483283,990	637383,780	39,344	3412	6483267,880	637355,690	40,165
3359	6483285,910	637378,920	39,220	3413	6483266,770	637355,380	40,061
3360	6483287,630	637372,620	38,789	3414	6483272,410	637360,560	38,865
3361	6483286,560	637367,100	38,621	3415	6483268,900	637363,730	39,126
3362	6483280,920	637364,490	38,851	3416	6483270,110	637372,580	40,354
3363	6483276,590	637365,590	39,127	3417	6483269,220	637374,710	40,826
3364	6483272,810	637367,680	39,381	3418	6483267,280	637375,720	41,000
3365	6483271,010	637369,090	39,448	3419	6483265,880	637374,730	40,981
3366	6483270,120	637370,390	39,632	3420	6483265,100	637373,250	40,529
3367	6483267,550	637368,610	39,339	3421	6483267,780	637372,700	41,885
3368	6483264,740	637369,410	39,444	3422	6483266,910	637373,020	41,916
3369	6483264,480	637372,450	40,064	3423	6483267,220	637373,860	41,845
3370	6483264,740	637374,280	40,527	3424	6483267,800	637373,650	41,960
3371	6483262,820	637370,780	39,599	3425	6483266,730	637378,210	41,424
3372	6483259,310	637369,220	39,609	3426	6483265,390	637377,780	42,064
3373	6483256,410	637369,520	39,708	3427	6483264,340	637376,840	41,483
3374	6483254,760	637372,010	40,395	3428	6483264,140	637378,800	41,898
3375	6483252,680	637375,330	41,155	3429	6483261,470	637378,010	43,249
3376	6483251,620	637378,480	40,534	3430	6483260,500	637375,870	43,083
3377	6483251,810	637380,750	40,341	3431	6483259,280	637374,780	43,082
3378	6483250,410	637378,340	40,637	3432	6483257,500	637374,950	42,875
3379	6483251,060	637375,880	41,326	3433	6483257,210	637377,300	42,812
3380	6483252,360	637372,750	40,814	3434	6483255,400	637378,720	42,644
3381	6483253,690	637370,190	39,783	3435	6483255,360	637379,770	42,518
3382	6483255,480	637367,050	39,529	3436	6483256,180	637379,290	42,659
3383	6483257,410	637365,110	39,341	3437	6483258,970	637378,530	42,971
3384	6483256,260	637362,530	39,406	3438	6483260,920	637379,510	43,113
3385	6483257,720	637358,960	39,379	3439	6483262,050	637381,470	42,955
3386	6483260,820	637359,280	39,374	3440	6483262,560	637381,230	42,968
3387	6483261,420	637361,980	39,366	3441	6483262,570	637383,000	42,974
3388	6483260,910	637364,690	39,357	3442	6483262,130	637383,070	42,965
3389	6483258,620	637365,790	39,321	3443	6483263,120	637386,100	42,470
3390	6483259,330	637363,840	38,597	3444	6483263,790	637384,860	41,992
3391	6483258,090	637363,440	38,608	3445	6483265,300	637383,480	41,790
3392	6483258,020	637361,460	38,514	3446	6483264,750	637382,390	41,683
3393	6483258,880	637360,100	38,482	3447	6483266,880	637381,580	41,433
3394	6483259,980	637360,400	38,475	3448	6483267,250	637379,170	41,237
3395	6483259,630	637362,820	38,418	3449	6483269,800	637378,790	40,600
3396	6483259,450	637364,020	38,580	3450	6483268,610	637380,650	40,584

3451	6483272,160	637381,920	41,180	3505	6483277,720	637387,660	43,389
3452	6483272,750	637380,830	41,259	3506	6483278,080	637388,380	43,305
3453	6483274,980	637380,630	40,915	3507	6483277,180	637390,260	43,271
3454	6483273,770	637383,790	41,043	3508	6483276,020	637391,390	43,255
3455	6483277,920	637384,140	41,211	3509	6483275,950	637391,830	43,024
3456	6483280,360	637384,620	40,940	3510	6483278,020	637395,640	41,024
3457	6483280,890	637381,350	40,787	3511	6483276,790	637396,080	40,043
3458	6483282,440	637379,360	41,083	3512	6483278,610	637395,520	40,819
3459	6483282,340	637376,820	41,185	3513	6483279,700	637394,580	40,197
3460	6483281,630	637372,850	42,689	3514	6483279,560	637397,050	41,540
3461	6483281,380	637371,170	42,585	3515	6483279,480	637397,720	41,576
3462	6483280,900	637369,970	42,479	3516	6483280,140	637398,660	41,486
3463	6483277,800	637371,790	42,623	3517	6483281,290	637398,510	41,520
3464	6483279,120	637372,840	42,557	3518	6483280,580	637400,170	41,459
3465	6483274,940	637372,740	42,594	3519	6483279,600	637399,580	41,322
3466	6483277,020	637374,760	42,365	3520	6483278,130	637400,900	40,523
3467	6483277,750	637376,910	40,971	3521	6483279,130	637401,890	40,477
3468	6483274,880	637379,380	41,316	3522	6483282,090	637402,030	40,015
3469	6483274,620	637375,750	42,422	3523	6483282,480	637402,470	40,559
3470	6483273,360	637374,320	42,575	3524	6483280,090	637404,430	39,129
3471	6483270,670	637376,290	42,459	3525	6483279,620	637403,620	39,391
3472	6483271,870	637376,870	42,435	3526	6483277,690	637404,350	38,967
3473	6483272,450	637378,050	41,469	3527	6483277,890	637405,260	38,903
3474	6483271,360	637378,720	40,897	3528	6483273,290	637404,280	36,849
3475	6483274,410	637380,000	41,094	3529	6483264,190	637423,930	36,228
3476	6483277,260	637379,620	40,934	3530	6483261,900	637427,550	36,638
3477	6483276,770	637382,310	40,830	3531	6483259,140	637432,650	37,387
3478	6483280,570	637384,720	40,899	3532	6483257,230	637435,400	37,350
3479	6483276,120	637384,530	41,135	3533	6483258,010	637438,420	38,278
3480	6483273,250	637385,810	41,475	3534	6483258,730	637441,990	38,901
3481	6483272,850	637384,940	41,332	3535	6483260,320	637445,420	39,496
3482	6483272,210	637384,150	41,904	3536	6483261,140	637448,300	39,864
3483	6483271,840	637383,330	41,959	3537	6483261,090	637448,240	39,871
3484	6483270,910	637386,220	41,895	3538	6483260,680	637451,890	40,826
3485	6483271,110	637387,330	41,922	3539	6483260,320	637454,750	41,210
3486	6483268,750	637388,520	42,257	3540	6483260,110	637455,950	41,433
3487	6483268,180	637387,760	42,360	3541	6483258,280	637454,270	41,234
3488	6483265,990	637389,330	42,074	3542	6483256,800	637455,900	41,671
3489	6483267,130	637389,690	41,997	3543	6483253,800	637456,270	42,056
3490	6483269,780	637390,680	42,971	3544	6483253,880	637456,850	42,223
3491	6483269,720	637389,660	42,931	3545	6483256,530	637456,440	41,872
3492	6483266,610	637388,780	42,097	3546	6483251,100	637456,500	42,107
3493	6483264,650	637387,380	43,064	3547	6483251,240	637457,050	42,244
3494	6483264,650	637387,390	43,020	3548	6483247,940	637457,510	42,375
3495	6483264,510	637386,590	43,176	3549	6483246,050	637458,520	42,679
3496	6483267,370	637385,280	43,650	3550	6483246,540	637459,220	42,994
3497	6483267,450	637385,850	43,608	3551	6483244,950	637461,040	43,295
3498	6483269,930	637384,850	43,064	3552	6483245,330	637461,490	43,644
3499	6483269,560	637384,460	43,121	3553	6483244,480	637464,370	44,014
3500	6483270,480	637388,370	42,164	3554	6483243,170	637467,230	44,811
3501	6483271,610	637389,300	42,678	3555	6483240,610	637468,010	45,355
3502	6483271,600	637390,640	43,046	3556	6483244,360	637469,040	45,287
3503	6483275,300	637390,430	43,688	3557	6483243,970	637463,610	43,141
3504	6483274,630	637388,780	43,400	3558	6483241,040	637463,790	41,776

3559	6483241,040	637463,810	41,702	3613	6483253,340	637447,160	39,832
3560	6483226,160	637452,140	40,072	3614	6483253,070	637446,430	40,083
3561	6483226,160	637452,140	40,060	3615	6483250,510	637446,440	39,862
3562	6483207,590	637411,830	39,823	3616	6483255,140	637442,300	39,332
3563	6483207,590	637411,830	39,822	3617	6483257,740	637439,400	38,493
3564	6483138,970	637423,330	40,621	3618	6483255,030	637440,610	38,908
3565	6483138,960	637423,320	40,614	3619	6483251,270	637440,540	39,331
3566	6483140,950	637428,010	40,822	3620	6483247,930	637438,310	39,015
3567	6483143,160	637422,330	40,459	3621	6483246,260	637434,980	38,519
3568	6483149,660	637417,710	40,341	3622	6483245,330	637431,860	37,854
3569	6483157,040	637415,350	40,421	3623	6483248,120	637433,400	37,640
3570	6483161,330	637417,200	40,438	3624	6483251,160	637436,470	37,430
3571	6483163,430	637419,800	40,293	3625	6483254,320	637437,470	37,303
3572	6483170,520	637420,130	40,239	3626	6483256,340	637437,380	37,404
3573	6483178,030	637421,660	39,961	3627	6483254,660	637432,970	36,921
3574	6483184,510	637422,390	39,748	3628	6483251,570	637430,780	36,942
3575	6483190,850	637425,010	39,871	3629	6483248,890	637429,680	37,436
3576	6483198,240	637427,440	39,976	3630	6483246,410	637426,750	37,608
3577	6483199,870	637431,330	40,042	3631	6483251,330	637425,340	37,034
3578	6483203,350	637432,320	40,133	3632	6483255,980	637428,450	36,828
3579	6483207,820	637433,300	40,250	3633	6483259,860	637424,430	36,129
3580	6483213,290	637435,420	40,281	3634	6483259,590	637421,820	36,024
3581	6483214,530	637436,460	40,324	3635	6483263,970	637418,140	36,101
3582	6483215,330	637440,090	40,367	3636	6483263,890	637413,740	36,279
3583	6483216,330	637443,590	40,476	3637	6483247,300	637415,390	37,996
3584	6483216,170	637445,850	40,461	3638	6483247,440	637416,100	38,050
3585	6483214,010	637446,740	40,390	3639	6483250,570	637416,250	38,322
3586	6483213,800	637445,400	41,066	3640	6483250,640	637415,560	38,284
3587	6483211,160	637447,980	40,389	3641	6483254,310	637416,880	37,981
3588	6483210,830	637446,860	41,072	3642	6483254,360	637416,150	37,928
3589	6483207,200	637448,140	40,267	3643	6483257,610	637416,930	37,634
3590	6483206,920	637447,150	40,931	3644	6483259,050	637417,350	37,676
3591	6483204,980	637448,820	40,461	3645	6483244,610	637416,420	38,364
3592	6483203,580	637449,170	41,181	3646	6483242,240	637414,390	38,251
3593	6483208,350	637449,630	40,008	3647	6483240,440	637416,650	38,441
3594	6483212,750	637450,510	40,073	3648	6483237,380	637418,140	39,059
3595	6483218,790	637452,820	40,246	3649	6483235,740	637415,420	39,163
3596	6483222,950	637454,600	40,006	3650	6483232,900	637418,580	39,168
3597	6483229,750	637456,910	40,225	3651	6483230,840	637416,410	39,011
3598	6483234,840	637459,210	40,418	3652	6483228,110	637412,200	39,473
3599	6483238,530	637460,960	40,473	3653	6483228,220	637412,220	39,533
3600	6483240,160	637460,730	40,386	3654	6483235,870	637411,810	38,813
3601	6483242,150	637457,680	40,430	3655	6483234,970	637408,840	38,699
3602	6483245,000	637455,690	40,456	3656	6483233,440	637406,720	39,016
3603	6483249,150	637453,910	40,062	3657	6483231,210	637408,420	38,960
3604	6483252,110	637453,130	39,828	3658	6483228,470	637406,250	39,176
3605	6483254,650	637453,690	39,901	3659	6483228,510	637406,310	39,178
3606	6483256,630	637453,150	40,177	3660	6483221,400	637408,200	39,795
3607	6483258,050	637454,060	41,232	3661	6483218,950	637408,800	39,890
3608	6483258,250	637452,270	40,776	3662	6483219,220	637412,550	40,195
3609	6483257,210	637450,000	39,941	3663	6483223,620	637412,750	40,030
3610	6483258,290	637449,920	40,503	3664	6483221,000	637420,090	40,003
3611	6483256,440	637447,750	39,770	3665	6483224,010	637421,510	39,755
3612	6483256,730	637446,980	40,054	3666	6483226,670	637424,140	39,690

3667	6483227,600	637424,050	39,136	3721	6483213,840	637444,720	41,304
3668	6483228,180	637428,240	39,813	3722	6483208,190	637442,890	40,655
3669	6483229,700	637428,070	39,220	3723	6483203,890	637444,590	40,813
3670	6483231,050	637432,890	39,784	3724	6483203,260	637442,940	40,774
3671	6483232,520	637432,320	39,321	3725	6483200,640	637443,590	40,767
3672	6483235,630	637436,890	39,748	3726	6483201,330	637442,070	40,816
3673	6483236,910	637435,940	38,913	3727	6483198,660	637443,530	41,190
3674	6483239,510	637439,900	39,662	3728	6483196,330	637445,340	41,434
3675	6483240,500	637438,640	39,036	3729	6483198,420	637446,830	42,081
3676	6483242,810	637441,270	39,549	3730	6483200,350	637448,460	42,008
3677	6483243,060	637438,180	38,969	3731	6483202,640	637449,080	41,414
3678	6483239,780	637434,320	38,811	3732	6483202,000	637447,210	41,496
3679	6483238,320	637429,310	38,380	3733	6483200,500	637446,470	42,162
3680	6483246,610	637423,890	37,219	3734	6483202,890	637445,670	41,254
3681	6483226,350	637436,600	40,095	3735	6483200,040	637445,040	41,496
3682	6483232,190	637441,230	40,088	3736	6483198,460	637444,250	41,664
3683	6483236,920	637444,020	40,035	3737	6483194,170	637444,010	41,239
3684	6483241,470	637446,070	39,973	3738	6483189,990	637443,010	41,367
3685	6483246,940	637447,800	39,859	3739	6483185,510	637441,430	40,567
3686	6483251,660	637450,040	39,704	3740	6483185,390	637440,000	40,609
3687	6483243,860	637449,960	40,153	3741	6483183,450	637441,190	40,274
3688	6483238,950	637454,510	40,361	3742	6483183,270	637440,520	40,358
3689	6483238,250	637448,630	40,131	3743	6483179,210	637440,160	40,451
3690	6483232,610	637453,110	40,189	3744	6483179,170	637439,650	40,640
3691	6483232,920	637446,750	40,213	3745	6483177,280	637440,630	40,605
3692	6483228,680	637445,270	40,096	3746	6483177,200	637439,710	40,855
3693	6483225,640	637442,180	40,172	3747	6483173,120	637437,740	40,729
3694	6483222,690	637438,540	40,126	3748	6483173,450	637437,280	40,816
3695	6483219,730	637440,540	40,204	3749	6483169,520	637435,170	40,669
3696	6483219,420	637443,970	40,368	3750	6483169,700	637434,640	40,769
3697	6483220,980	637445,600	40,472	3751	6483166,970	637433,660	41,313
3698	6483219,510	637445,910	41,033	3752	6483166,720	637433,700	41,229
3699	6483222,110	637448,350	40,473	3753	6483166,670	637433,140	41,127
3700	6483220,570	637448,680	41,308	3754	6483165,140	637430,450	42,715
3701	6483221,560	637450,760	40,445	3755	6483165,060	637427,230	41,785
3702	6483219,700	637451,390	40,356	3756	6483164,260	637423,880	41,635
3703	6483219,570	637449,700	41,369	3757	6483164,020	637422,590	41,068
3704	6483217,790	637450,290	40,334	3758	6483166,930	637424,030	41,870
3705	6483217,680	637448,140	40,403	3759	6483167,310	637426,340	41,944
3706	6483219,240	637448,080	41,370	3760	6483167,900	637429,340	42,147
3707	6483218,000	637445,620	40,616	3761	6483168,610	637431,380	42,399
3708	6483219,220	637446,790	41,280	3762	6483172,150	637433,240	42,289
3709	6483218,850	637444,170	40,487	3763	6483172,800	637430,450	42,373
3710	6483214,480	637442,760	41,131	3764	6483173,690	637427,920	42,260
3711	6483213,800	637440,130	41,168	3765	6483173,940	637426,160	42,131
3712	6483213,050	637437,420	41,186	3766	6483179,330	637427,860	41,995
3713	6483212,970	637436,760	41,053	3767	6483178,530	637430,550	42,032
3714	6483211,350	637435,620	40,384	3768	6483178,020	637433,490	42,431
3715	6483212,220	637436,960	41,019	3769	6483177,590	637435,530	42,161
3716	6483210,920	637439,090	40,389	3770	6483182,770	637436,230	42,630
3717	6483212,250	637438,780	41,171	3771	6483182,840	637433,250	42,422
3718	6483211,350	637442,890	40,567	3772	6483182,720	637430,080	42,111
3719	6483212,930	637442,450	41,007	3773	6483183,030	637427,370	41,826
3720	6483212,880	637445,550	40,708	3774	6483187,830	637427,730	41,987

3775	6483186,850	637431,250	42,466	3829	6483185,190	637423,440	40,192
3776	6483185,840	637434,070	42,502	3830	6483184,830	637424,530	40,273
3777	6483186,490	637436,980	42,175	3831	6483182,750	637424,980	40,886
3778	6483185,060	637439,580	40,857	3832	6483182,810	637425,010	40,743
3779	6483187,910	637438,510	41,015	3833	6483181,960	637422,810	40,575
3780	6483186,970	637436,930	42,172	3834	6483178,620	637423,230	40,547
3781	6483190,720	637437,150	40,956	3835	6483179,190	637425,820	41,020
3782	6483190,750	637435,260	42,363	3836	6483174,340	637424,590	40,948
3783	6483194,980	637438,490	40,787	3837	6483175,300	637422,220	40,775
3784	6483194,160	637436,810	41,778	3838	6483171,180	637422,010	40,953
3785	6483198,300	637438,540	40,778	3839	6483170,860	637424,800	41,293
3786	6483199,130	637436,950	41,685	3840	6483167,430	637423,430	41,254
3787	6483197,070	637441,110	40,938	3841	6483167,880	637421,080	41,150
3788	6483201,690	637438,040	40,577	3842	6483164,800	637420,840	40,419
3789	6483200,890	637437,140	41,657	3843	6483164,970	637422,850	41,278
3790	6483203,920	637436,130	40,542	3844	6483160,840	637421,340	41,849
3791	6483203,250	637434,890	41,332	3845	6483157,330	637421,200	41,545
3792	6483204,640	637433,370	40,476	3846	6483154,600	637419,700	41,585
3793	6483203,710	637434,310	41,110	3847	6483152,800	637418,710	41,295
3794	6483205,510	637435,560	40,597	3848	6483155,430	637417,640	41,639
3795	6483206,160	637436,400	41,361	3849	6483157,750	637417,500	41,510
3796	6483208,310	637434,270	40,439	3850	6483159,720	637417,490	41,348
3797	6483207,330	637435,660	41,089	3851	6483160,220	637419,170	41,311
3798	6483208,640	637436,860	40,429	3852	6483161,660	637418,000	40,397
3799	6483207,400	637436,470	41,259	3853	6483160,370	637415,610	40,396
3800	6483206,200	637439,500	40,623	3854	6483156,790	637415,430	40,402
3801	6483205,600	637438,280	41,448	3855	6483153,540	637416,120	40,249
3802	6483204,700	637441,680	40,688	3856	6483150,830	637417,860	40,304
3803	6483203,630	637440,990	41,522	3857	6483148,290	637418,100	40,438
3804	6483202,120	637442,800	40,776	3858	6483144,610	637421,130	40,445
3805	6483202,610	637441,460	41,628	3859	6483142,510	637425,430	40,738
3806	6483200,930	637441,100	40,824	3860	6483141,150	637428,450	40,825
3807	6483202,300	637440,880	41,710	3861	6483144,470	637432,100	42,952
3808	6483202,800	637438,170	40,575	3862	6483146,660	637435,550	45,658
3809	6483203,420	637439,140	41,317	3863	6483147,210	637433,740	45,312
3810	6483204,330	637436,470	40,507	3864	6483147,660	637431,520	45,190
3811	6483205,280	637437,500	41,515	3865	6483148,130	637428,950	45,077
3812	6483201,820	637434,240	41,142	3866	6483149,990	637430,560	45,514
3813	6483199,370	637436,610	41,905	3867	6483153,250	637430,730	45,358
3814	6483198,130	637433,750	41,855	3868	6483155,690	637430,510	45,193
3815	6483194,310	637432,420	41,795	3869	6483157,410	637428,110	45,016
3816	6483194,040	637434,700	41,991	3870	6483157,580	637426,270	44,583
3817	6483193,770	637436,200	41,941	3871	6483158,210	637425,600	44,703
3818	6483190,400	637434,820	42,554	3872	6483155,570	637424,810	43,728
3819	6483190,610	637431,660	42,318	3873	6483155,750	637425,960	43,792
3820	6483191,390	637429,790	41,950	3874	6483154,540	637426,860	43,227
3821	6483197,010	637431,380	41,073	3875	6483153,650	637423,300	43,367
3822	6483197,440	637429,490	40,766	3876	6483153,100	637423,990	43,136
3823	6483195,410	637427,050	40,770	3877	6483152,080	637424,620	42,608
3824	6483194,010	637428,940	40,830	3878	6483151,990	637422,830	43,445
3825	6483192,580	637425,850	39,812	3879	6483151,950	637422,210	43,597
3826	6483189,140	637424,410	39,903	3880	6483149,140	637423,240	43,713
3827	6483187,630	637424,880	40,547	3881	6483150,170	637424,980	42,905
3828	6483187,950	637422,740	40,209	3882	6483147,620	637425,760	43,993

3883	6483148,080	637428,230	44,897	3937	6483170,650	637404,580	40,085
3884	6483150,760	637426,210	42,716	3938	6483169,860	637409,810	40,089
3885	6483152,690	637427,050	43,149	3939	6483167,350	637414,680	40,259
3886	6483154,680	637427,500	43,351	3940	6483174,690	637415,000	40,037
3887	6483155,320	637428,190	43,965	3941	6483175,360	637409,500	39,914
3888	6483151,740	637433,550	45,576	3942	6483176,050	637404,920	40,051
3889	6483149,280	637436,420	45,996	3943	6483176,920	637400,990	40,086
3890	6483153,080	637437,140	45,886	3944	6483177,790	637397,240	40,010
3891	6483157,010	637436,900	45,622	3945	6483184,190	637401,290	39,677
3892	6483160,960	637436,920	44,971	3946	6483182,460	637407,680	39,733
3893	6483161,610	637433,880	44,822	3947	6483182,080	637412,030	39,686
3894	6483162,260	637431,460	44,716	3948	6483181,550	637415,560	39,770
3895	6483162,780	637429,280	44,490	3949	6483188,690	637417,230	39,684
3896	6483161,030	637426,630	44,556	3950	6483191,050	637410,930	39,719
3897	6483159,460	637425,880	44,684	3951	6483191,350	637405,870	39,679
3898	6483159,120	637430,680	44,928	3952	6483191,890	637399,670	39,848
3899	6483156,840	637433,700	45,314	3953	6483192,530	637394,640	40,346
3900	6483153,590	637434,040	45,502	3954	6483190,280	637388,660	41,460
3901	6483145,240	637436,970	46,658	3955	6483189,230	637385,910	41,898
3902	6483136,780	637426,680	40,648	3956	6483190,490	637382,990	42,263
3903	6483133,950	637425,880	40,744	3957	6483192,010	637380,630	42,337
3904	6483133,520	637422,190	40,707	3958	6483195,070	637381,870	42,191
3905	6483133,790	637417,940	40,849	3959	6483194,300	637386,560	41,443
3906	6483132,380	637414,750	40,812	3960	6483195,560	637393,820	40,860
3907	6483131,350	637412,540	41,045	3961	6483199,290	637398,730	40,246
3908	6483135,760	637413,350	40,350	3962	6483204,020	637399,680	40,113
3909	6483133,860	637412,490	40,476	3963	6483209,300	637400,020	40,373
3910	6483134,890	637411,370	40,661	3964	6483206,420	637405,180	39,880
3911	6483133,250	637410,560	40,848	3965	6483201,640	637404,700	39,819
3912	6483132,970	637411,450	41,231	3966	6483197,350	637404,600	39,765
3913	6483131,160	637411,460	41,736	3967	6483194,400	637412,030	39,766
3914	6483130,860	637410,400	41,166	3968	6483194,900	637416,920	39,661
3915	6483129,060	637411,900	42,180	3969	6483194,300	637420,490	39,655
3916	6483128,500	637410,690	41,607	3970	6483201,430	637424,520	39,921
3917	6483126,970	637412,890	43,532	3971	6483202,640	637421,330	39,928
3918	6483126,770	637411,120	41,949	3972	6483203,700	637416,230	39,846
3919	6483127,310	637408,950	41,835	3973	6483211,470	637419,400	39,939
3920	6483132,520	637408,860	41,104	3974	6483208,950	637424,160	40,051
3921	6483138,250	637408,580	40,352	3975	6483207,380	637428,620	40,075
3922	6483139,310	637404,000	40,248	3976	6483209,150	637429,380	40,363
3923	6483145,540	637402,230	40,217	3977	6483210,870	637430,150	40,338
3924	6483145,050	637407,390	40,231	3978	6483212,310	637430,840	40,512
3925	6483144,040	637412,500	40,304	3979	6483214,400	637432,530	40,217
3926	6483139,660	637414,790	40,296	3980	6483217,010	637428,450	40,124
3927	6483151,530	637411,910	40,277	3981	6483218,780	637423,260	39,964
3928	6483151,230	637407,350	40,276	3982	6483223,800	637430,120	40,013
3929	6483151,910	637402,660	40,300	3983	6483222,800	637434,940	40,105
3930	6483158,120	637405,610	40,258	3984	6483222,530	637438,910	40,118
3931	6483158,270	637411,390	40,236	3985	6483208,430	637421,250	40,047
3932	6483164,720	637414,710	40,181	3986	6483208,430	637421,260	40,048
3933	6483164,340	637409,750	40,217	3987	6483288,980	637397,690	40,237
3934	6483164,910	637405,400	40,280	3988	6483290,260	637396,890	41,377
3935	6483168,200	637398,060	40,320	3989	6483292,120	637399,200	40,498
3936	6483171,460	637398,020	40,197	3990	6483291,840	637397,740	41,727

3991	6483290,590	637398,980	40,411	4045	6483292,320	637391,910	41,209
3992	6483295,560	637400,100	40,357	4046	6483289,040	637395,480	40,020
3993	6483297,530	637394,460	40,079	4047	6483291,330	637396,180	41,455
3994	6483295,380	637393,760	40,169	4048	6483282,010	637404,110	40,648
3995	6483293,490	637393,210	41,069	4049	6483280,560	637407,820	40,860
3996	6483300,590	637385,920	39,551	4050	6483278,250	637408,940	40,891
3997	6483298,620	637384,550	39,699	4051	6483277,140	637411,350	40,919
3998	6483296,930	637383,860	40,900	4052	6483276,710	637416,720	41,256
3999	6483303,060	637378,930	39,161	4053	6483275,490	637422,610	42,084
4000	6483301,030	637377,820	39,358	4054	6483272,900	637429,050	42,488
4001	6483299,130	637377,130	40,461	4055	6483269,310	637432,700	42,870
4002	6483301,140	637375,830	39,119	4056	6483266,720	637437,750	43,362
4003	6483299,450	637375,220	39,251	4057	6483265,680	637441,510	43,634
4004	6483297,940	637374,700	39,067	4058	6483265,620	637441,510	43,587
4005	6483298,300	637376,550	40,359	4059	6483267,110	637444,310	43,929
4006	6483298,390	637374,030	39,198	4060	6483267,070	637448,060	44,523
4007	6483299,560	637372,660	40,076	4061	6483266,900	637450,260	44,583
4008	6483300,430	637374,720	39,306	4062	6483269,820	637451,250	44,498
4009	6483300,320	637372,840	40,197	4063	6483272,580	637452,350	44,478
4010	6483302,540	637373,680	39,085	4064	6483274,030	637453,560	44,715
4011	6483301,030	637372,580	40,279	4065	6483273,630	637444,280	43,860
4012	6483304,690	637374,510	38,865	4066	6483277,550	637433,240	42,879
4013	6483306,080	637370,620	38,727	4067	6483281,750	637420,210	41,801
4014	6483304,410	637369,870	38,939	4068	6483284,690	637411,110	41,085
4015	6483302,390	637369,390	39,919	4069	6483287,030	637405,950	40,728
4016	6483304,260	637366,840	38,703	4070	6483292,280	637409,110	41,006
4017	6483302,720	637367,380	39,477	4071	6483288,420	637419,830	41,818
4018	6483303,520	637365,620	38,642	4072	6483285,800	637427,200	42,343
4019	6483307,710	637366,240	38,473	4073	6483283,260	637434,630	42,792
4020	6483313,480	637350,540	38,054	4074	6483280,260	637443,110	43,505
4021	6483315,920	637343,820	37,834	4075	6483276,370	637453,730	44,416
4022	6483315,930	637343,800	37,831	4076	6483273,330	637456,780	44,862
4023	6483300,390	637366,700	38,686	4077	6483275,180	637457,260	44,656
4024	6483301,670	637368,180	39,664	4078	6483272,000	637462,450	45,291
4025	6483299,250	637369,740	38,956	4079	6483273,120	637462,790	45,059
4026	6483300,980	637370,150	39,838	4080	6483269,880	637467,880	45,786
4027	6483297,890	637373,040	39,002	4081	6483271,300	637467,960	45,606
4028	6483296,920	637375,420	39,174	4082	6483267,740	637473,380	46,234
4029	6483297,950	637376,550	40,299	4083	6483269,220	637473,520	45,976
4030	6483294,600	637379,820	39,601	4084	6483265,710	637476,140	46,291
4031	6483296,410	637380,350	40,629	4085	6483263,020	637476,580	46,278
4032	6483294,540	637382,780	39,864	4086	6483261,230	637475,020	46,202
4033	6483295,390	637384,070	40,772	4087	6483259,510	637472,890	46,284
4034	6483293,010	637383,520	40,580	4088	6483258,430	637472,190	46,189
4035	6483293,580	637381,840	40,080	4089	6483257,520	637472,830	46,223
4036	6483292,030	637382,060	39,847	4090	6483259,960	637475,030	46,199
4037	6483292,120	637383,450	40,710	4091	6483261,100	637478,140	46,337
4038	6483289,580	637385,410	39,752	4092	6483259,620	637479,700	46,684
4039	6483291,040	637385,960	40,824	4093	6483263,310	637480,800	46,659
4040	6483287,770	637390,080	40,002	4094	6483265,440	637484,430	47,156
4041	6483289,720	637389,410	41,117	4095	6483256,640	637479,880	47,023
4042	6483289,080	637391,750	40,176	4096	6483256,120	637480,700	47,072
4043	6483289,750	637389,900	41,010	4097	6483250,040	637477,880	47,327
4044	6483290,400	637392,760	40,078	4098	6483250,060	637478,550	47,067

4099	6483244,810	637476,130	47,216	4153	6483178,140	637455,060	47,748
4100	6483244,780	637476,490	47,073	4154	6483176,890	637454,190	47,703
4101	6483238,650	637473,780	47,184	4155	6483163,300	637450,440	48,576
4102	6483238,870	637474,330	46,949	4156	6483163,570	637447,830	48,560
4103	6483233,390	637471,680	47,369	4157	6483163,610	637444,800	48,498
4104	6483233,380	637472,410	47,090	4158	6483163,260	637444,720	49,186
4105	6483227,420	637469,540	47,433	4159	6483158,760	637443,390	49,203
4106	6483227,420	637470,060	47,194	4160	6483158,330	637446,190	49,191
4107	6483223,330	637467,980	47,114	4161	6483157,950	637448,630	49,174
4108	6483223,470	637468,630	47,019	4162	6483157,900	637448,500	49,202
4109	6483217,370	637465,680	47,502	4163	6483151,320	637447,590	49,358
4110	6483217,410	637466,370	47,202	4164	6483151,910	637444,550	49,245
4111	6483213,080	637464,190	47,332	4165	6483151,840	637442,060	49,163
4112	6483212,920	637464,670	47,185	4166	6483145,610	637441,130	49,076
4113	6483209,520	637462,820	47,438	4167	6483144,380	637443,840	49,190
4114	6483209,760	637463,530	47,158	4168	6483143,840	637445,980	49,009
4115	6483204,000	637460,900	47,555	4169	6483137,350	637445,340	48,914
4116	6483204,060	637461,370	47,358	4170	6483137,460	637442,110	49,130
4117	6483198,290	637459,310	47,353	4171	6483137,360	637439,390	49,288
4118	6483198,120	637458,560	47,349	4172	6483132,970	637438,220	49,311
4119	6483193,820	637458,880	47,320	4173	6483130,520	637438,900	49,102
4120	6483193,880	637457,840	47,456	4174	6483130,620	637441,190	48,693
4121	6483193,330	637456,700	47,747	4175	6483131,060	637444,580	48,990
4122	6483192,920	637455,840	47,550	4176	6483132,130	637446,590	48,829
4123	6483192,120	637456,730	47,180	4177	6483127,180	637448,000	48,669
4124	6483192,360	637455,390	47,079	4178	6483127,400	637445,000	48,989
4125	6483186,340	637458,700	47,731	4179	6483126,900	637443,040	48,730
4126	6483186,690	637455,280	47,152	4180	6483120,670	637444,010	49,412
4127	6483180,430	637458,420	47,824	4181	6483121,310	637446,660	49,496
4128	6483180,210	637455,070	47,559	4182	6483120,680	637449,380	49,742
4129	6483176,810	637457,470	47,780	4183	6483115,380	637450,390	50,345
4130	6483176,860	637457,450	47,765	4184	6483115,430	637446,810	50,216
4131	6483177,380	637458,110	47,847	4185	6483114,800	637444,160	50,254
4132	6483177,010	637454,860	47,873	4186	6483104,930	637443,870	49,917
4133	6483173,490	637453,580	48,013	4187	6483104,740	637446,290	49,915
4134	6483173,490	637454,670	48,300	4188	6483104,020	637448,400	49,871
4135	6483173,360	637455,380	47,968	4189	6483096,200	637449,230	49,752
4136	6483173,420	637457,820	48,218	4190	6483096,180	637445,160	50,045
4137	6483167,350	637457,530	48,207	4191	6483096,110	637442,810	49,597
4138	6483162,620	637457,410	48,457	4192	6483089,020	637447,140	49,234
4139	6483163,780	637452,880	47,773	4193	6483090,580	637442,780	49,463
4140	6483164,460	637451,210	48,585	4194	6483088,860	637436,490	48,314
4141	6483167,310	637454,170	47,794	4195	6483087,540	637433,150	47,479
4142	6483167,470	637452,820	48,554	4196	6483086,310	637429,690	46,351
4143	6483167,680	637452,350	48,481	4197	6483086,150	637427,630	45,752
4144	6483167,540	637451,570	48,171	4198	6483089,990	637428,870	46,136
4145	6483172,140	637454,360	48,384	4199	6483094,130	637428,570	46,079
4146	6483172,120	637453,560	48,172	4200	6483094,120	637431,080	46,479
4147	6483172,350	637452,670	47,731	4201	6483101,260	637433,850	47,014
4148	6483175,760	637453,720	47,694	4202	6483097,330	637428,350	46,529
4149	6483175,450	637454,810	48,185	4203	6483101,200	637429,270	46,676
4150	6483175,200	637455,250	48,359	4204	6483105,490	637429,090	47,074
4151	6483174,960	637456,060	47,939	4205	6483105,220	637432,630	46,961
4152	6483177,770	637456,590	47,838	4206	6483104,350	637435,540	47,203

4207	6483109,740	637436,790	47,283	4261	6483152,600	637450,790	47,875
4208	6483109,420	637432,700	47,168	4262	6483144,870	637448,390	47,775
4209	6483108,010	637429,040	47,127	4263	6483138,370	637447,490	47,932
4210	6483111,230	637428,940	47,292	4264	6483131,210	637450,270	48,067
4211	6483114,160	637429,700	47,254	4265	6483125,210	637450,830	48,025
4212	6483113,070	637433,720	47,318	4266	6483118,660	637453,730	47,898
4213	6483111,690	637438,060	47,567	4267	6483114,410	637454,190	47,676
4214	6483117,070	637437,890	47,514	4268	6483123,740	637459,970	47,969
4215	6483117,030	637435,610	47,388	4269	6483135,800	637460,260	48,275
4216	6483116,080	637432,690	47,316	4270	6483146,840	637460,880	48,787
4217	6483119,150	637434,340	47,383	4271	6483156,650	637461,890	48,872
4218	6483118,930	637437,960	47,544	4272	6483162,130	637463,980	49,147
4219	6483123,050	637438,990	47,611	4273	6483181,210	637455,110	47,475
4220	6483123,180	637435,280	47,296	4274	6483185,380	637455,080	47,165
4221	6483126,620	637435,530	47,418	4275	6483189,250	637455,760	47,075
4222	6483129,090	637435,770	47,362	4276	6483193,640	637456,270	47,609
4223	6483127,390	637437,670	47,444	4277	6483193,750	637456,930	47,632
4224	6483127,490	637439,590	47,617	4278	6483192,240	637454,920	46,889
4225	6483126,090	637439,730	47,624	4279	6483191,050	637455,200	46,042
4226	6483118,290	637428,650	45,313	4280	6483190,000	637455,450	46,781
4227	6483120,800	637427,990	45,110	4281	6483190,890	637456,460	47,136
4228	6483121,940	637427,340	45,235	4282	6483191,560	637456,450	47,121
4229	6483123,340	637428,880	45,012	4283	6483191,300	637453,290	45,682
4230	6483120,990	637430,750	45,188	4284	6483190,300	637453,520	45,291
4231	6483123,700	637431,140	45,035	4285	6483189,410	637453,690	46,128
4232	6483126,000	637431,190	44,880	4286	6483191,020	637451,560	44,868
4233	6483126,090	637429,760	44,843	4287	6483190,500	637451,440	44,706
4234	6483128,970	637431,290	44,349	4288	6483190,010	637451,350	45,040
4235	6483128,890	637430,120	44,291	4289	6483190,740	637450,540	44,186
4236	6483131,560	637431,330	43,882	4290	6483191,110	637448,420	44,265
4237	6483131,590	637429,960	43,892	4291	6483186,860	637447,780	43,916
4238	6483134,140	637431,110	43,438	4292	6483186,660	637448,700	44,238
4239	6483134,080	637430,210	43,258	4293	6483182,220	637446,040	43,596
4240	6483136,140	637430,240	42,648	4294	6483181,770	637446,940	43,613
4241	6483129,600	637428,640	44,945	4295	6483178,520	637444,540	43,094
4242	6483126,250	637427,950	45,730	4296	6483178,170	637445,160	43,202
4243	6483127,300	637426,490	45,778	4297	6483176,640	637444,350	42,970
4244	6483128,080	637427,980	45,763	4298	6483192,840	637451,010	44,475
4245	6483126,580	637424,640	45,934	4299	6483193,310	637449,150	44,251
4246	6483124,170	637424,780	46,163	4300	6483197,350	637450,800	44,336
4247	6483123,110	637426,430	45,747	4301	6483197,080	637451,640	44,366
4248	6483125,470	637422,260	45,862	4302	6483200,340	637451,600	43,843
4249	6483126,480	637422,520	45,956	4303	6483200,160	637452,340	44,035
4250	6483126,570	637420,410	45,505	4304	6483201,780	637453,020	43,967
4251	6483125,580	637420,810	45,353	4305	6483197,600	637457,480	47,883
4252	6483125,200	637418,040	44,871	4306	6483197,650	637456,940	47,870
4253	6483126,190	637418,510	44,986	4307	6483199,300	637456,530	47,220
4254	6483126,300	637415,970	44,221	4308	6483204,380	637460,040	48,051
4255	6483124,900	637415,900	44,279	4309	6483204,390	637459,640	48,000
4256	6483126,930	637413,310	43,625	4310	6483204,850	637458,300	47,396
4257	6483126,250	637413,690	43,589	4311	6483210,680	637462,010	48,025
4258	6483125,380	637425,690	46,012	4312	6483210,930	637461,240	47,955
4259	6483124,600	637427,230	45,836	4313	6483211,620	637460,120	47,295
4260	6483158,740	637451,380	47,715	4314	6483217,520	637464,430	47,966

4315	6483217,510	637463,890	47,935	4369	6483259,970	637470,660	46,689
4316	6483217,930	637462,460	47,070	4370	6483259,690	637469,710	46,782
4317	6483222,820	637466,900	47,781	4371	6483261,040	637469,390	46,555
4318	6483222,740	637466,220	47,721	4372	6483260,070	637466,920	45,134
4319	6483224,030	637464,100	46,545	4373	6483259,280	637467,170	45,313
4320	6483225,570	637467,480	48,016	4374	6483259,210	637464,720	44,957
4321	6483226,410	637466,790	48,172	4375	6483258,070	637462,850	45,124
4322	6483229,470	637468,910	47,955	4376	6483256,350	637461,920	45,050
4323	6483229,780	637468,380	47,803	4377	6483258,610	637460,910	45,302
4324	6483230,910	637466,350	46,502	4378	6483260,440	637461,680	45,165
4325	6483238,620	637471,700	48,424	4379	6483261,960	637462,070	44,822
4326	6483238,570	637470,730	48,236	4380	6483260,690	637464,990	44,841
4327	6483240,940	637469,350	46,713	4381	6483259,900	637466,400	45,067
4328	6483245,080	637474,110	48,336	4382	6483259,900	637466,390	44,995
4329	6483244,910	637473,280	48,198	4383	6483261,710	637472,270	47,395
4330	6483249,890	637474,970	48,611	4384	6483261,160	637471,400	47,420
4331	6483249,690	637475,870	48,614	4385	6483263,150	637469,250	47,566
4332	6483253,830	637476,640	48,757	4386	6483264,420	637467,480	47,824
4333	6483254,010	637475,660	48,672	4387	6483266,000	637468,080	47,786
4334	6483257,270	637476,770	48,562	4388	6483266,230	637470,950	47,701
4335	6483257,020	637477,440	48,585	4389	6483264,730	637471,070	47,118
4336	6483254,520	637473,530	47,435	4390	6483264,710	637471,000	47,088
4337	6483254,500	637471,150	47,174	4391	6483265,160	637473,120	47,630
4338	6483256,110	637471,060	46,557	4392	6483263,890	637472,660	47,414
4339	6483256,170	637472,820	46,473	4393	6483264,330	637474,550	47,442
4340	6483254,640	637468,830	47,120	4394	6483263,360	637474,270	47,187
4341	6483256,120	637469,230	46,253	4395	6483266,550	637465,990	47,766
4342	6483256,260	637467,010	46,758	4396	6483265,020	637465,890	47,670
4343	6483256,700	637465,930	46,864	4397	6483267,070	637461,090	47,851
4344	6483258,280	637467,940	45,734	4398	6483268,100	637461,250	47,805
4345	6483255,270	637465,030	47,004	4399	6483269,090	637457,040	47,031
4346	6483253,190	637464,140	47,148	4400	6483268,120	637457,140	47,158
4347	6483251,070	637464,420	47,043	4401	6483268,940	637453,110	46,705
4348	6483249,630	637463,620	46,734	4402	6483270,120	637453,460	46,653
4349	6483248,940	637464,270	46,689	4403	6483188,590	637395,820	40,121
4350	6483250,620	637465,550	47,212	4404	6483188,660	637392,940	40,844
4351	6483251,150	637467,560	47,042	4405	6483187,380	637390,760	41,644
4352	6483253,330	637467,030	47,261	4406	6483185,810	637391,650	42,302
4353	6483252,470	637469,170	47,238	4407	6483185,100	637391,630	42,182
4354	6483250,250	637467,370	46,584	4408	6483184,040	637388,500	42,952
4355	6483247,460	637465,690	45,176	4409	6483184,740	637387,860	42,745
4356	6483246,450	637467,670	45,487	4410	6483182,550	637386,650	43,141
4357	6483244,940	637468,990	45,330	4411	6483183,150	637386,500	43,107
4358	6483248,120	637469,790	45,973	4412	6483181,970	637385,600	42,287
4359	6483250,460	637471,210	46,983	4413	6483183,950	637385,260	42,418
4360	6483252,810	637471,710	46,891	4414	6483184,790	637385,820	42,149
4361	6483250,280	637472,950	47,054	4415	6483186,010	637387,560	41,935
4362	6483247,920	637472,180	47,314	4416	6483184,980	637384,180	42,305
4363	6483245,560	637471,830	47,141	4417	6483188,130	637381,850	42,475
4364	6483257,430	637471,230	46,907	4418	6483189,680	637378,610	42,448
4365	6483257,420	637470,520	46,737	4419	6483191,600	637377,180	42,516
4366	6483257,120	637469,660	46,187	4420	6483194,870	637377,960	42,308
4367	6483258,080	637472,190	46,250	4421	6483195,650	637376,740	43,314
4368	6483259,140	637472,210	46,274	4422	6483197,850	637379,030	42,604

4423	6483197,620	637378,080	43,168	4477	6483181,730	637307,680	37,403
4424	6483200,560	637378,320	42,895	4478	6483179,150	637309,480	37,342
4425	6483202,750	637372,490	42,813	4479	6483175,380	637310,780	37,612
4426	6483198,210	637374,990	43,212	4480	6483171,050	637311,640	37,967
4427	6483194,560	637375,110	43,603	4481	6483168,390	637312,020	38,572
4428	6483191,550	637375,260	43,937	4482	6483166,960	637311,350	38,732
4429	6483191,620	637374,730	44,034	4483	6483165,630	637309,570	38,897
4430	6483189,930	637373,490	44,058	4484	6483164,130	637309,180	38,801
4431	6483190,160	637372,400	43,804	4485	6483162,740	637310,710	38,744
4432	6483189,360	637375,740	44,026	4486	6483161,140	637312,260	38,852
4433	6483187,220	637378,530	43,983	4487	6483159,060	637312,640	38,972
4434	6483185,110	637380,440	44,237	4488	6483158,120	637313,930	38,766
4435	6483182,620	637379,860	44,411	4489	6483156,440	637310,630	38,551
4436	6483179,220	637377,530	44,448	4490	6483155,720	637307,710	38,359
4437	6483176,310	637372,210	45,781	4491	6483161,390	637318,780	39,196
4438	6483176,040	637369,020	46,122	4492	6483167,980	637317,890	38,581
4439	6483182,090	637367,590	46,906	4493	6483174,130	637315,620	37,827
4440	6483179,670	637363,020	47,208	4494	6483177,250	637316,880	37,824
4441	6483178,590	637363,520	47,048	4495	6483175,700	637329,260	41,359
4442	6483177,110	637358,450	47,155	4496	6483176,240	637326,300	41,055
4443	6483178,160	637357,860	46,965	4497	6483175,480	637323,830	40,463
4444	6483176,700	637355,280	46,466	4498	6483178,010	637324,580	40,977
4445	6483177,720	637355,560	46,481	4499	6483181,830	637324,910	40,837
4446	6483190,230	637367,650	41,906	4500	6483185,830	637324,260	40,616
4447	6483189,350	637367,600	41,897	4501	6483189,630	637322,510	40,400
4448	6483188,730	637361,450	40,776	4502	6483191,270	637320,780	40,946
4449	6483188,250	637361,810	40,866	4503	6483192,350	637318,620	40,654
4450	6483186,190	637356,710	41,285	4504	6483193,690	637315,170	40,683
4451	6483185,490	637356,650	41,525	4505	6483195,360	637320,760	40,723
4452	6483185,870	637356,510	41,382	4506	6483195,780	637316,950	42,033
4453	6483185,550	637350,340	40,740	4507	6483197,660	637315,280	42,084
4454	6483184,540	637350,670	40,735	4508	6483196,010	637312,710	42,266
4455	6483181,940	637347,360	40,669	4509	6483195,190	637312,860	42,062
4456	6483181,570	637347,770	40,740	4510	6483195,750	637309,510	40,327
4457	6483176,080	637345,900	40,530	4511	6483194,200	637310,310	40,195
4458	6483175,960	637346,740	40,491	4512	6483193,540	637312,130	40,599
4459	6483172,270	637345,120	40,271	4513	6483193,850	637308,740	40,141
4460	6483172,170	637347,070	40,199	4514	6483190,930	637306,870	40,303
4461	6483169,180	637349,300	40,403	4515	6483189,290	637306,910	40,441
4462	6483168,790	637342,620	40,124	4516	6483192,360	637306,330	40,365
4463	6483167,950	637338,720	40,058	4517	6483193,750	637304,040	40,121
4464	6483170,020	637333,380	39,736	4518	6483192,300	637301,090	40,001
4465	6483171,290	637330,880	39,654	4519	6483189,350	637299,330	39,954
4466	6483173,120	637327,130	39,473	4520	6483186,390	637298,420	40,005
4467	6483172,700	637323,170	38,968	4521	6483184,080	637296,840	40,085
4468	6483172,910	637321,230	38,279	4522	6483180,430	637297,320	40,314
4469	6483176,580	637320,270	38,209	4523	6483179,240	637300,520	40,256
4470	6483180,240	637320,540	38,202	4524	6483180,140	637302,860	40,344
4471	6483183,930	637321,310	38,129	4525	6483182,710	637300,260	42,452
4472	6483186,520	637320,680	37,992	4526	6483182,780	637301,840	42,315
4473	6483188,370	637316,610	37,394	4527	6483185,930	637303,180	42,657
4474	6483189,310	637313,330	37,107	4528	6483186,040	637302,000	42,575
4475	6483189,580	637310,930	37,262	4529	6483189,800	637303,440	42,652
4476	6483185,440	637309,200	37,137	4530	6483189,220	637304,000	42,454

4531	6483177,110	637302,500	40,347	4585	6483203,740	637313,420	40,175
4532	6483173,530	637301,730	40,315	4586	6483204,920	637316,650	40,281
4533	6483173,380	637301,050	40,308	4587	6483205,160	637320,140	40,482
4534	6483172,230	637299,600	39,967	4588	6483206,700	637324,760	40,383
4535	6483171,490	637301,210	41,183	4589	6483204,720	637327,580	40,447
4536	6483171,230	637301,690	41,213	4590	6483201,650	637328,510	40,606
4537	6483170,420	637303,000	41,340	4591	6483198,770	637327,380	40,344
4538	6483170,190	637305,320	40,869	4592	6483196,300	637324,350	40,289
4539	6483169,440	637307,510	40,788	4593	6483196,030	637322,850	40,631
4540	6483168,680	637309,020	40,866	4594	6483195,290	637320,110	40,906
4541	6483166,470	637307,630	40,525	4595	6483196,740	637317,400	42,158
4542	6483164,580	637307,090	40,241	4596	6483199,220	637316,200	42,738
4543	6483161,520	637307,610	40,933	4597	6483201,300	637317,120	42,853
4544	6483160,180	637308,460	41,204	4598	6483199,640	637319,690	42,903
4545	6483160,040	637307,660	41,142	4599	6483201,020	637319,600	42,824
4546	6483161,170	637306,800	40,844	4600	6483201,640	637322,800	43,142
4547	6483158,420	637304,490	39,012	4601	6483200,830	637323,530	43,002
4548	6483161,790	637304,880	39,588	4602	6483201,570	637324,490	42,889
4549	6483164,640	637305,660	39,900	4603	6483202,150	637324,250	42,797
4550	6483171,010	637307,660	40,251	4604	6483199,180	637327,610	40,521
4551	6483172,400	637307,540	39,772	4605	6483198,550	637327,500	40,283
4552	6483174,830	637307,420	39,439	4606	6483196,680	637330,960	40,669
4553	6483177,120	637307,490	39,120	4607	6483195,460	637330,710	40,459
4554	6483178,830	637305,990	38,924	4608	6483195,500	637335,210	40,913
4555	6483180,190	637304,690	39,108	4609	6483194,700	637334,820	40,660
4556	6483177,010	637303,910	39,394	4610	6483192,600	637338,220	41,164
4557	6483174,780	637303,230	39,520	4611	6483191,680	637337,350	40,834
4558	6483172,890	637303,240	39,742	4612	6483190,700	637337,780	41,119
4559	6483172,360	637305,410	39,820	4613	6483187,200	637335,430	40,971
4560	6483178,380	637296,610	40,092	4614	6483182,920	637333,060	41,023
4561	6483176,080	637298,200	40,208	4615	6483180,400	637330,330	41,229
4562	6483172,240	637298,390	39,820	4616	6483178,070	637329,160	41,242
4563	6483173,960	637295,480	41,644	4617	6483186,170	637328,230	40,741
4564	6483170,190	637297,500	39,593	4618	6483190,400	637329,960	40,587
4565	6483171,920	637292,280	39,994	4619	6483189,570	637322,170	40,500
4566	6483174,840	637290,440	39,476	4620	6483190,240	637321,430	41,033
4567	6483175,370	637293,300	41,679	4621	6483193,070	637322,730	40,423
4568	6483177,750	637291,560	39,941	4622	6483193,410	637322,030	41,054
4569	6483178,990	637294,970	40,103	4623	6483195,840	637323,930	40,349
4570	6483189,210	637295,800	39,762	4624	6483196,660	637323,430	40,820
4571	6483191,080	637293,780	39,608	4625	6483197,630	637325,800	40,312
4572	6483192,060	637295,870	41,157	4626	6483196,330	637340,250	41,199
4573	6483194,240	637294,060	39,728	4627	6483201,170	637342,600	41,014
4574	6483196,400	637293,390	38,293	4628	6483202,810	637345,850	41,175
4575	6483195,610	637293,830	39,102	4629	6483202,050	637349,930	41,390
4576	6483192,750	637296,470	41,216	4630	6483201,590	637353,350	41,520
4577	6483195,930	637297,050	39,634	4631	6483202,900	637357,520	41,798
4578	6483197,780	637298,240	39,878	4632	6483204,640	637360,890	41,792
4579	6483197,890	637296,550	38,250	4633	6483204,600	637365,680	42,168
4580	6483199,370	637298,040	39,656	4634	6483203,970	637370,820	42,620
4581	6483198,800	637294,950	38,986	4635	6483166,350	637384,510	40,366
4582	6483197,790	637291,730	39,018	4636	6483168,680	637388,110	40,318
4583	6483197,010	637309,740	40,316	4637	6483169,040	637390,950	40,281
4584	6483200,160	637311,570	40,228	4638	6483167,730	637391,700	40,401

4639	6483167,520	637390,410	41,121	4693	6483151,850	637385,830	40,894
4640	6483165,730	637390,440	40,690	4694	6483152,860	637387,550	40,739
4641	6483166,060	637388,870	42,207	4695	6483152,630	637388,310	40,691
4642	6483164,270	637390,940	40,587	4696	6483151,970	637389,510	40,237
4643	6483162,990	637390,550	43,185	4697	6483154,620	637388,650	41,174
4644	6483163,160	637392,700	40,445	4698	6483154,370	637389,370	41,059
4645	6483162,490	637395,630	40,619	4699	6483154,060	637390,410	40,767
4646	6483163,120	637397,690	40,959	4700	6483155,310	637389,680	41,689
4647	6483160,770	637396,840	42,270	4701	6483155,950	637389,750	41,714
4648	6483163,320	637399,250	41,138	4702	6483156,450	637388,050	41,438
4649	6483161,880	637398,030	41,419	4703	6483156,880	637388,480	41,449
4650	6483161,590	637398,520	41,290	4704	6483154,840	637390,830	40,853
4651	6483161,530	637400,600	41,234	4705	6483155,410	637391,350	40,599
4652	6483162,370	637400,740	41,443	4706	6483157,110	637391,130	40,554
4653	6483160,410	637396,340	42,594	4707	6483158,500	637388,880	40,445
4654	6483159,510	637396,770	42,263	4708	6483158,460	637386,870	40,319
4655	6483160,450	637393,810	42,574	4709	6483157,590	637385,730	40,181
4656	6483159,620	637393,380	42,116	4710	6483156,080	637385,520	39,333
4657	6483161,640	637391,280	42,669	4711	6483155,160	637386,160	39,494
4658	6483161,340	637391,110	42,439	4712	6483154,340	637387,460	40,336
4659	6483161,350	637391,020	42,299	4713	6483153,280	637385,190	40,351
4660	6483163,460	637389,120	42,485	4714	6483155,110	637385,060	39,247
4661	6483163,220	637388,810	42,456	4715	6483154,350	637383,720	40,451
4662	6483164,690	637388,050	42,508	4716	6483156,920	637383,750	39,661
4663	6483164,750	637384,310	40,453	4717	6483157,420	637383,840	39,739
4664	6483161,840	637384,890	40,380	4718	6483158,620	637383,700	40,386
4665	6483160,150	637387,650	40,406	4719	6483155,710	637382,570	40,512
4666	6483158,330	637390,230	40,484	4720	6483156,890	637380,480	40,375
4667	6483156,660	637393,830	40,508	4721	6483157,610	637380,430	39,985
4668	6483155,900	637397,440	40,345	4722	6483158,470	637380,230	40,551
4669	6483157,860	637399,840	40,303	4723	6483157,590	637378,290	40,058
4670	6483159,470	637400,680	40,316	4724	6483156,440	637374,860	40,146
4671	6483161,430	637402,450	40,456	4725	6483153,040	637372,450	40,239
4672	6483163,300	637403,390	40,333	4726	6483147,590	637370,930	40,396
4673	6483164,740	637401,780	40,449	4727	6483141,250	637370,690	40,485
4674	6483164,910	637399,470	40,500	4728	6483135,720	637368,840	40,381
4675	6483155,500	637395,350	40,455	4729	6483128,420	637369,600	40,238
4676	6483153,370	637396,900	40,342	4730	6483123,570	637371,500	41,004
4677	6483150,680	637396,950	40,503	4731	6483121,050	637374,050	41,288
4678	6483148,630	637396,430	40,424	4732	6483117,930	637372,880	41,284
4679	6483149,210	637393,340	41,932	4733	6483117,830	637371,710	41,282
4680	6483147,820	637391,230	42,914	4734	6483120,980	637370,510	41,167
4681	6483150,230	637393,690	41,860	4735	6483117,970	637370,700	41,760
4682	6483150,200	637394,570	42,044	4736	6483116,080	637371,030	42,284
4683	6483152,090	637393,920	42,309	4737	6483115,910	637373,220	42,351
4684	6483152,040	637392,840	42,482	4738	6483116,970	637375,160	42,524
4685	6483153,470	637393,310	42,240	4739	6483120,670	637376,400	42,424
4686	6483153,480	637393,840	42,050	4740	6483119,650	637380,060	42,486
4687	6483155,720	637394,090	40,550	4741	6483121,310	637385,750	42,333
4688	6483155,410	637392,200	40,448	4742	6483121,670	637390,780	42,574
4689	6483153,000	637391,400	40,757	4743	6483120,540	637395,630	42,364
4690	6483151,170	637391,100	40,510	4744	6483120,020	637400,380	42,523
4691	6483149,580	637391,940	40,528	4745	6483120,880	637403,930	42,592
4692	6483150,900	637388,900	40,345	4746	6483124,080	637406,650	42,238

4747	6483127,940	637407,230	41,956	4801	6483119,150	637422,110	41,783
4748	6483131,920	637405,800	41,297	4802	6483117,750	637422,760	41,697
4749	6483135,280	637402,770	41,112	4803	6483114,930	637422,120	42,334
4750	6483136,690	637399,060	40,732	4804	6483110,080	637422,570	43,046
4751	6483140,130	637398,750	40,411	4805	6483110,130	637422,570	43,128
4752	6483143,740	637397,220	40,340	4806	6483105,890	637422,830	43,055
4753	6483146,420	637396,810	40,297	4807	6483100,710	637423,400	43,289
4754	6483146,420	637396,870	40,401	4808	6483095,940	637423,220	43,507
4755	6483133,170	637393,940	44,851	4809	6483092,030	637423,370	43,792
4756	6483129,530	637396,590	44,623	4810	6483090,510	637422,270	43,765
4757	6483128,720	637399,480	45,026	4811	6483089,440	637423,130	44,300
4758	6483126,380	637401,510	45,164	4812	6483091,210	637425,600	44,658
4759	6483124,710	637401,540	45,566	4813	6483089,760	637420,430	43,611
4760	6483124,520	637400,430	45,675	4814	6483089,130	637420,680	43,907
4761	6483125,470	637397,270	45,806	4815	6483088,700	637418,290	43,597
4762	6483126,990	637397,540	45,589	4816	6483087,740	637425,580	44,400
4763	6483126,480	637393,130	45,957	4817	6483084,380	637424,890	43,799
4764	6483127,780	637393,700	46,039	4818	6483084,380	637424,890	43,798
4765	6483129,540	637391,820	45,780	4819	6483082,630	637428,090	43,575
4766	6483130,870	637390,780	44,734	4820	6483081,910	637433,780	43,602
4767	6483126,500	637390,650	46,293	4821	6483081,040	637441,610	43,481
4768	6483128,730	637389,580	46,148	4822	6483078,910	637449,360	43,500
4769	6483130,330	637389,160	44,979	4823	6483078,740	637455,430	43,449
4770	6483129,350	637386,530	45,681	4824	6483077,530	637459,270	43,913
4771	6483127,880	637387,110	46,433	4825	6483079,220	637460,160	44,938
4772	6483126,770	637387,290	46,426	4826	6483075,980	637461,200	44,178
4773	6483128,930	637384,550	46,871	4827	6483083,540	637415,120	43,451
4774	6483126,180	637384,020	46,583	4828	6483090,590	637416,750	43,512
4775	6483126,310	637382,290	46,566	4829	6483098,130	637417,450	43,362
4776	6483128,040	637381,700	46,577	4830	6483105,160	637417,890	43,256
4777	6483128,430	637383,670	46,756	4831	6483110,460	637418,430	42,694
4778	6483132,490	637381,620	48,743	4832	6483114,480	637418,750	42,165
4779	6483133,580	637384,390	48,905	4833	6483116,290	637413,800	42,432
4780	6483135,530	637387,530	48,414	4834	6483111,000	637413,220	42,847
4781	6483138,740	637387,910	48,414	4835	6483105,310	637412,760	43,357
4782	6483140,930	637388,010	48,194	4836	6483096,820	637411,670	43,384
4783	6483140,820	637385,310	47,876	4837	6483090,080	637410,470	43,501
4784	6483141,010	637382,560	47,908	4838	6483086,130	637409,450	43,457
4785	6483136,330	637380,980	48,573	4839	6483086,820	637403,210	43,339
4786	6483136,360	637383,060	48,883	4840	6483083,310	637396,540	43,167
4787	6483137,350	637384,600	48,228	4841	6483077,510	637391,670	42,937
4788	6483143,370	637381,600	46,439	4842	6483071,390	637389,750	42,709
4789	6483144,200	637384,550	46,124	4843	6483065,300	637387,430	42,361
4790	6483145,410	637384,890	45,831	4844	6483062,880	637389,730	42,436
4791	6483145,400	637384,850	45,776	4845	6483060,000	637389,570	42,114
4792	6483145,120	637387,440	45,725	4846	6483057,350	637386,340	41,975
4793	6483146,550	637382,520	46,307	4847	6483056,180	637383,050	41,891
4794	6483145,020	637380,550	46,425	4848	6483057,660	637380,400	42,086
4795	6483147,230	637379,800	46,364	4849	6483059,730	637378,780	42,236
4796	6483148,030	637380,580	46,061	4850	6483062,030	637378,620	42,240
4797	6483124,130	637411,530	42,123	4851	6483063,120	637380,020	42,849
4798	6483121,920	637413,130	42,314	4852	6483064,400	637381,150	42,817
4799	6483120,920	637416,410	42,271	4853	6483064,560	637379,220	43,574
4800	6483119,950	637419,830	41,852	4854	6483065,370	637380,080	43,672

4855	6483066,000	637382,450	42,617	4909	6483051,030	637371,310	43,769
4856	6483066,220	637385,790	42,448	4910	6483049,260	637372,660	44,113
4857	6483067,090	637381,230	42,611	4911	6483049,810	637373,480	44,263
4858	6483067,780	637378,600	42,535	4912	6483051,290	637373,900	43,877
4859	6483066,180	637379,160	43,456	4913	6483046,870	637373,600	44,230
4860	6483065,730	637378,380	43,388	4914	6483046,870	637374,370	44,219
4861	6483066,990	637377,100	42,475	4915	6483044,570	637373,040	43,543
4862	6483064,670	637376,630	42,372	4916	6483042,860	637373,170	43,267
4863	6483062,960	637377,760	42,292	4917	6483042,420	637374,210	43,405
4864	6483063,700	637380,580	42,909	4918	6483043,980	637375,690	43,244
4865	6483060,800	637382,410	44,615	4919	6483046,660	637375,550	43,443
4866	6483060,550	637383,190	44,456	4920	6483046,020	637376,940	43,231
4867	6483062,270	637384,970	44,478	4921	6483048,450	637376,120	43,194
4868	6483062,700	637383,910	44,730	4922	6483050,240	637376,050	43,156
4869	6483054,050	637382,090	41,906	4923	6483047,990	637377,690	42,777
4870	6483057,250	637380,230	42,215	4924	6483049,000	637379,120	42,484
4871	6483059,560	637377,570	42,152	4925	6483036,410	637374,980	41,857
4872	6483061,270	637372,550	42,332	4926	6483032,590	637372,890	41,797
4873	6483059,060	637367,560	42,122	4927	6483026,570	637371,880	41,923
4874	6483055,310	637366,260	41,928	4928	6483029,770	637370,140	41,798
4875	6483051,650	637366,090	41,972	4929	6483030,220	637366,180	41,714
4876	6483048,780	637368,230	41,920	4930	6483027,150	637363,000	41,475
4877	6483045,460	637369,420	41,948	4931	6483022,910	637363,440	41,482
4878	6483041,100	637370,700	41,916	4932	6483020,560	637365,000	41,371
4879	6483039,890	637373,820	41,930	4933	6483019,970	637368,840	41,649
4880	6483041,380	637377,320	41,962	4934	6483022,000	637370,810	42,405
4881	6483043,770	637378,430	41,987	4935	6483024,370	637371,340	42,466
4882	6483046,450	637379,380	42,052	4936	6483025,860	637367,810	44,711
4883	6483047,090	637378,280	42,722	4937	6483025,290	637367,530	44,601
4884	6483046,300	637381,560	41,946	4938	6483024,670	637367,860	44,622
4885	6483047,470	637381,410	42,626	4939	6483025,080	637368,470	44,642
4886	6483047,860	637384,830	42,287	4940	6483034,080	637370,820	41,833
4887	6483048,890	637383,790	42,744	4941	6483035,340	637366,760	41,790
4888	6483050,770	637385,650	42,101	4942	6483033,420	637361,280	41,568
4889	6483051,100	637384,650	42,800	4943	6483026,770	637357,400	41,173
4890	6483053,130	637385,480	41,976	4944	6483025,480	637351,010	41,171
4891	6483052,560	637384,390	42,692	4945	6483030,740	637353,080	41,390
4892	6483053,060	637382,600	41,922	4946	6483030,550	637347,220	41,272
4893	6483052,060	637381,330	42,636	4947	6483036,930	637347,690	41,404
4894	6483055,730	637381,030	42,052	4948	6483035,520	637354,560	41,548
4895	6483050,630	637383,000	42,554	4949	6483035,510	637359,860	41,580
4896	6483049,570	637381,130	42,693	4950	6483042,590	637363,770	41,896
4897	6483050,370	637380,060	43,052	4951	6483043,680	637358,980	41,874
4898	6483051,950	637380,610	42,991	4952	6483043,730	637349,990	41,511
4899	6483051,790	637378,990	44,170	4953	6483052,970	637351,260	41,581
4900	6483051,570	637378,300	44,245	4954	6483052,320	637359,220	41,785
4901	6483054,030	637377,590	44,115	4955	6483058,170	637362,140	41,964
4902	6483052,790	637377,260	44,177	4956	6483059,340	637355,850	41,784
4903	6483054,240	637375,380	45,339	4957	6483065,980	637356,000	41,980
4904	6483055,120	637375,600	45,261	4958	6483066,140	637362,800	42,160
4905	6483055,580	637373,320	45,667	4959	6483065,340	637371,850	42,407
4906	6483054,520	637373,250	45,715	4960	6483070,860	637375,470	42,577
4907	6483054,960	637372,080	45,666	4961	6483072,630	637367,870	42,404
4908	6483055,880	637372,570	45,604	4962	6483080,760	637366,810	42,568

4963	6483079,120	637375,560	42,701
4964	6483077,740	637381,360	42,777
4965	6483075,050	637387,780	42,842
4966	6483080,920	637392,380	43,082
4967	6483083,930	637384,580	42,804
4968	6483087,110	637379,050	42,744
4969	6483085,420	637376,950	42,818
4970	6483087,540	637376,100	44,014
4971	6483085,740	637374,370	42,887
4972	6483087,890	637375,570	44,058
4973	6483089,460	637373,350	42,984
4974	6483089,700	637375,000	43,949
4975	6483092,310	637375,110	42,944
4976	6483090,640	637375,020	43,931
4977	6483091,830	637378,030	43,038
4978	6483090,960	637383,700	42,732
4979	6483089,790	637392,190	42,961
4980	6483089,910	637398,690	43,079
4981	6483092,190	637403,870	43,247
4982	6483097,960	637405,380	43,284
4983	6483103,240	637410,860	43,290
4984	6483108,500	637404,750	43,054
4985	6483115,600	637405,370	42,570
4986	6483117,420	637409,110	42,331
4987	6483134,880	637409,750	40,626
4988	6483143,720	637407,530	40,169
4989	6483155,980	637409,040	40,241
4990	6483171,500	637411,390	40,023
4991	6483178,930	637416,600	39,848
4992	6483185,640	637418,370	39,672
4993	6483188,130	637410,690	39,666
4994	6483207,940	637421,120	40,014
4995	6483160,860	637360,040	40,300
4996	6483160,860	637360,040	40,300
4997	6483103,970	637453,880	47,200
4998	6483094,990	637453,340	46,920
4999	6483085,060	637452,580	46,600
5000	6483101,620	637463,540	46,150
5001	6483167,250	637353,710	40,319
5002	6483167,720	637359,130	40,399
5003	6483167,170	637364,510	40,480
5004	6483165,930	637368,600	40,286
5005	6483166,390	637372,520	40,305
5006	6483168,920	637377,190	40,308
5007	6483172,110	637380,640	40,272
5008	6483175,170	637383,470	40,306
5009	6483180,680	637388,570	40,510
5010	6483185,270	637393,820	40,170