

## TECHNICAL APPENDIX 7.2

### Peat Slide Hazard and Risk Assessment



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## Table of Contents

1	Introduction	3
1.2	Peat Failure Characteristics/Mechanisms	3
1.3	Sources of Data	4
1.4	Baseline Conditions	4
1.5	Surface Water and Sensitive Receptors	5
1.6	Peat Surveys	6
1.7	Peat Stability Hazard Scoring	7
1.8	Peat Slide Hazard Risk Assessment	9
2	Proposed Development Design and Mitigation	10
3	Conclusion	11
4	References	11

## List of Figures

TA Figure 7.2.1	Slope Breaks and Watercourses
TA Figure 7.2.2	Peat Depth Surveys
TA Figure 7.2.3	Peat Survey Records and Contour Plot
TA Figure 7.2.4	Slope Map
TA Figure 7.2.5	Peat Slide Hazard Scoring
TA Figure 7.2.6	Peat Slide Risk Rankings

## List of Annexes

TA 7.2 Annex 1	Peat Survey Data, Hazard Scoring and Risk Ranking
TA 7.2 Annex 2	Laboratory Testing Report

# Appendix 7.2 Peat Slide Hazard and Risk Assessment

## 1 Introduction

- 1.1.1 The following Peat Slide Hazard and Risk Assessment (PSHRA) report provides an overview of peat slide mechanisms, desk study information, Site survey results to highlight any risk of peat slide within the proposed Development Site.
- 1.1.2 The peat slide risk assessment was led by Jenny Hazzard, Environmental Planning Director at ITPEnergised. Jenny has a BSc in Geological Engineering and an MSc in Engineering Geology, and she is a Practitioner Member of IEMA. Jenny has 20 years of experience in environmental consultancy including EIA, geo-environmental assessment, ground investigations, and assessment of geology, hydrology and hydrogeology impacts. She has led on hydrology, hydrogeology and peat assessment work for several renewable energy and transmission & distribution projects across Scotland, including peat slide risk assessments and peat management plans for several proposed Scottish windfarm projects.
- 1.1.3 Technical support was provided by Andrew Ramand, Technical Director at ITPEnergised. Andrew has an MSc in Environmental Technology from Imperial College, is a Practitioner Member of IEMA, is a full member of the Institution of Environmental Sciences, and has over 17 years of experience as an environmental advisor. He has led EIAs and provided technical assessments in hydrology, hydrogeology and geology, peat surveys, peat slide risk assessments and peat management plans for numerous energy sector projects including windfarms and overhead power lines. He authored the Geology and Hydrology assessments for the Beauly-Denny overhead power line, as well as supporting reports regarding construction methods on peat and techniques for water crossings during construction. More recently he was the technical lead for geology, hydrology and peat assessment work, designing and leading on peat surveys and completing peat slide risk assessments for Sandy Knowe Windfarm in Dumfries and Galloway, Creggan Windfarm in Argyll and Bute, Tom nan Clach Windfarm in the Highlands, Barrel Law Windfarm in the Scottish Borders, and Beinn Mheadhonach Windfarm on Skye. Andrew has provided expert witness support on geology, hydrology and peat at public inquiry.
- 1.1.4 Field surveys were led by Andrew and supported by members of the ITPEnergised Environmental Planning team, including experienced ecologists.

## 1.2 Peat Failure Characteristics/Mechanisms

- 1.2.1 The Peat Landslide Hazard and Risk Assessments Best Practice Guide for Proposed Electricity Generation Developments, published by the then Scottish Executive (2006, updated by the Scottish Government April 2017) determines peat landslide (instability) in two categories, 'peat slides' and 'bog bursts'. It is indicated that peat slides have a greater risk of occurrence in areas where peat depth is shallow (up to 2 m) and slope gradients are steep (5 to 15°). Bog bursts, however, are indicated to have a greater risk of occurrence in areas where peat depth is deep and slope gradients are shallow. As recorded in the Best Practice Guide, bog burst events have generally only been reported in Irish and Northern Irish peat bogs. They are uncommon in Scotland and therefore are not considered to attribute significant risk in relation to this assessment. It is noted that peat instability events (including bog bursts), although extremely uncommon, may occur outside the limits mentioned above.
- 1.2.2 Further to the simple definition above, a number of natural factors are considered to interact and create the potential for peat instability to occur. These natural factors would typically include:
- **Slope Gradient:** as noted in the Best Practice Guide, peat slides have a greater likelihood of occurrence in areas where slope angles range from 5 to 15°. Deposits with shallow slope gradients of less than 5° are less susceptible to failure as the influence of gravity is not as substantial and deposits with steeper slope gradients

are less susceptible to failure due to the general lack of peat presence (although peaty debris slide, with shearing within the mineral substrate, may occur).

- **Peat Depth:** the extent and depth of peat is controlled to a degree by rainfall and elevation, giving risk to three common types of peat (as described by Boylan *et al.* 2008):
  - **Upland Blanket Bog:** blanket bogs are typically about 3 m thick, however, they can be up to 5 m thick, generally thinning at greater elevations (note, the proposed Development Site is considered to be an upland blanket bog site).
  - **Lowland Blanket Bog:** much the same as the upland version, however, they form around sea levels in areas of very high rainfall.
  - **Raised Bog:** raised bogs generally tend to be 3-12 m thick, averaging 7 m, with their growth occurring above the water table.
- 1.2.3 As an instability indicator, peat depth can give an indication of peat strength and the potential scale of a slide where the generalisation can be made that the potential for peat instability increases with peat depth provided gradients exist to allow movement. However, when combined with other instability indicators, any depth of peat can fail.
  - **Peat Strength:** the shear strength of peat is an important aspect in assessing the risk of landslip in blanket peat areas, with areas of lower shear strength likely to be the cause of any peat slide. However, due to the influence of fibres within the deposits and of stratification with depth i.e. fibrous through to amorphous (see 'Peat Stratification' below), reliable values of shear strength are difficult to obtain using common place in situ and laboratory soil strength tests. Where data is available, it can be used, with caution, to assist in assessing likely risk.
  - **Relief:** the combination of slope gradient and variation in elevation can result in confined and unconfined zones i.e. where undulating or hummocky terrain (confined) exists, the natural relief has the potential to mitigate the occurrence of a peat slide. However, convex sloping hillsides (unconfined) can increase the hazard potential.
  - **Evident and/or Potential Areas of Instability:** the presence of any geomorphological characteristics (refer to Paragraph 1.2.7 below) may signify that there is an increased risk of peat instability in the area. However, peat instability events may occur in areas where no geomorphological characteristics are present if the general characteristics match those mentioned above.
  - **Vegetation Cover:** the vegetation cover of an area of bog/mire gives an indication as to its hydrological setting and therefore physical characteristics, as noted in the Best Practice Guide and detailed by Hobbs, 1986.
  - **Peat Stratification:** weak layers within a peat mass can facilitate peat failure, the process in which peat is formed causes peat to show natural anisotropic strength. The interface between the three distinct layers (indicating three hydroseral stages) within a peat mass is defined by hydrology. The three layers are:
    - **Top Mat:** living vegetation of herbaceous plants, grasses and mosses;
    - **Acrotelm:** decomposing peat which is saturated periodically and is of relatively high permeability; and
    - **Catotelm:** permanently saturated dense peat of relatively low permeability.Peat stratification is linked to peat depth (Dykes, 2006), with thinner peat deposits having a thinner or no catotelm layer. This lack of, or reduction in, the catotelm layer leads to peat mass having a higher shear strength, as the overlying top mat and acrotelm layers are more fibrous in nature compared to the underlying catotelm layer.
  - Raised and blanket bogs are both within the third stage of hydroseral development although their individual morphology is different. Raised bog is commonly made up of several layers of peat representing each stage in development. Raised bog may also include a layer of mud/organic clay at its base representing lake and swamp sediments. Blanket peat is usually made up of bog peat (third stage) alone.

- **Hydrology (Surface and Subsurface):** surface (seeps and springs, wet flushes, watercourses, concentration of drainage networks etc.) and subsurface (pipe systems, underground channels etc.) drainage pathways can provide areas of peat with a water supply which may be absorbed by the peat mass potentially increasing the mass of the peat, causing pooling/piping within the peat mass, or an increase in water at the base of the peat mass, each of which increases the susceptibility of the peat mass to failure.

1.2.4 The presence of a number of the above natural factors may create the potential for peat instability to occur, however, the actual instability is generally the result of a combination of further causative factors. These factors have been grouped into two categories within the Best Practice Guide described as preparatory and triggering factors.

1.2.5 Preparatory factors, which affect the stability of peat slopes in the medium to long-term (tens to hundreds of years), are:

- increase in mass of the peat through peat formation;
- increase in mass of the peat through increase in water content;
- increase in mass of the peat through afforestation;
- reduction in shear strength from changes in the physical structure of the peat due to creep, weathering or vertical tension cracks of the material;
- loss of surface vegetation and associated tensile strength (e.g. deforestation);
- changes in the subsurface hydrology (water filled pools and/or pipes etc.); and
- afforestation reducing the water held in the peat body, increasing the potential for formation of desiccation cracks which can be exploited by rainfall on forest harvesting.

1.2.6 Triggering factors, which can have an immediate effect on peat stability and act on susceptible slopes, include:

- intensive rainfall or snow melt causing development of high porewater pressures within the peat;
- alterations to drainage patterns generating high porewater pressures within the peat;
- peat extraction at the toe of the slope i.e. fluvial incision, cut slopes etc. reducing the support of the upslope material;
- peat loading commonly due to stockpiling or plant during construction (or natural causes i.e. landslide) causing an increase in shear stress;
- changes to the vegetation cover i.e. by stripping the surface cover or afforestation; and
- earthquakes or man-made rapid ground accelerations, such as blasting or mechanical vibrations, causing an increase in shear stress.

1.2.7 Evidence of the potential for peat instability within an area may be observed through the recording of the geomorphological conditions of the area. These existing geomorphological characteristics may indicate the presence of existing or historical failures or areas of future potential instability. The characteristics of particular interest include the presence of the following:

- historical failure scars and debris;
- tension cracking and tearing;
- compression ridges/thrusts or extrusion;
- peat creep;
- subsurface drainage (pools and/or piping);
- seeps and springs;
- cracking related to drying;

- concentration of surface drainage networks; and
- the presence of organic clays at the peat and bedrock interface.

## 1.3 Sources of Data

1.3.1 A desk study was undertaken to examine documentary information relating to the Site.

1.3.2 This included the following data sources:

- British Geological Survey, DiGMap and Geolindex;
- Scottish Natural Heritage (SNH) Carbon and Peatland Map, 2016;
- Hydrogeological Map of Scotland, British Geological Survey, 1988;
- Soil Survey of Scotland Maps, James Hutton Institute;
- Scottish Natural Heritage Natural Spaces;
- Habitat and botanical survey data gathered as part of the Operational Kilgallioch Windfarm and Kilgallioch Windfarm Extension EIAR (refer to **Chapter 8: Ecology and Biodiversity** and **Figures 8.2 and 8.3**)
- Aerial photography;
- Historical mapping provided by Envirocheck; and
- Peat Slide Risk Assessment, Kilgallioch Windfarm (Arecleoch Phase 2) by Arcus Renewable Energy Consulting Ltd, February 2010.

## 1.4 Baseline Conditions

### *Geography, Topography and Geomorphology*

1.4.1 The main development area of the Site comprises mainly blanket bog and grassland, with current land use by humans limited to low-density sheep grazing. Derelict farm buildings and steadings, at High Eldrig, are located within the eastern extent of the Site.

1.4.2 The majority of the Site has relatively gentle topography, with an overall fall from north east to south west. At the north east corner of the Site, the elevation is approximately 200 m Above Ordnance Datum (AOD). From there the land falls gently to a level of approximately 150 m AOD adjacent to the River Tarf at the southern Site boundary.

1.4.3 Breaking up this overall gentle fall from north east to south west across the Site, there are four hill features: Ha' Hill towards the west of the Site which rises to 196 m AOD; a separate hill to the south of Ha' Hill which rises to 182 m AOD, a third hill in the west-central Site area, rising to 200 m AOD; and Eldrig Fell at the far south east of the Site, rising to 227 m AOD. All these hills are roughly conical, with only a slight elongation in a north-south direction.

1.4.4 Between these hill features are watercourses flowing broadly in a north east to south west direction, into the Tarf Water which forms the southern and western Site boundary.

1.4.5 **TA Figure 7.2.1** shows the main geomorphological features of the Site, including the position of major slope breaks, major natural and man-made drainage features. Additionally, numerous smaller man-made drainage ditches are present across the Site, too numerous to show on the geomorphology map but evident on aerial photography.

1.4.6 Convex slopes have been identified on the east side of Eldrig Fell, the east and West slopes of Ha' Hill, and the southern slope of the hill south of Ha' Hill.

### *Vegetation*

1.4.7 Ecological surveys undertaken have identified that the Site is largely wet modified bog, with localised areas of blanket bog mainly towards the west and centre of the Site, and acid/neutral flushes mainly along watercourses and drains. Wet dwarf shrub heath is present in the south-central and south east Site areas. The area around High Eldrig in the south east of the Site is semi-improved acid grassland.

### *Rainfall*

1.4.8 Rainfall data has been obtained from the nearest Met Office weather station at West Freugh, approximately 17.5 km south west of the Site. The average annual rainfall over the period 1981 to 2010 was 1049 mm. The wettest months are recorded as being October, November and December (128 mm, 121 mm and 107 mm, respectively), with the driest month being May (57 mm).

### *Geological Conditions*

1.4.9 BGS online mapping for the area shows that the bedrock geology underlying the Site comprises Ordovician sedimentary strata (wacke) of the Kirkcolm Formation (northern Site area) and Portpatrick Formation (southern Site area). The Moffat Shale Group separates these two formations, sub-cropping across an approximately 100 m swathe in the south-central part of the Site. The boundary between the Moffat Shale Group and the Portpatrick Formation is marked by a fault.

1.4.10 BGS mapping shows that bedrock across most of the Site area is overlain by peat. Localised areas across the north and central Site areas are indicated to be underlain by till, which in this area would typically be expected to comprise stiff to hard clay with variable inclusions of sand, gravel and boulders. Much of the south east Site area, around High Eldrig and Eldrig Fell, is shown as having little or no superficial geology cover over bedrock. The exception is the far south east edge of the Site, which is indicated to be underlain by peat.

1.4.11 The SNH Carbon and Peatlands Map (2016) has also been consulted although it is noted that this provides much higher-level, overview information than the larger-scale BGS mapping and indeed site-specific survey work. For completeness, information from the SNH Carbon and Peatlands Map is provided here. Parts of the west, central, and far south east Site areas are identified as being within areas of Class 1 Peat, defined as "nationally important carbon-rich soils, deep peat and priority peatland habitat; areas likely to be of high conservation value." A small area of Class 2 Peat ("nationally important carbon-rich soils, deep peat and priority peatland habitat; areas of potentially high conservation value and restoration potential") is identified west of Eldrig Loch, mostly outside the Site but encroaching slightly into the eastern Site boundary. Most of the remaining Site area is shown as Class 3 ("predominantly peaty soil with some peat soil") or Class 5 ("peat soil"). The area in the south east, broadly coincident with the area where BGS mapping shows no superficial deposits, is shown on the SNH Carbon and Peatlands Map as Class 4 ("predominantly mineral soil with some peat soil").

1.4.12 Site observations broadly support the mapping, with peat recorded to variable depth across much of the Site, and exposures of till observed locally. The till appears to be discontinuous, based on some peat probes encountering rock directly below the peat.

1.4.13 Peat depth surveys were undertaken as described in Section 1.6, to identify the extent, depth and nature of peat across the Site. Peat depths were recorded varying from nil to over 3 m.

1.4.14 Peat in the area of the proposed north west track linking the Site to the Operational Kilgallioch Windfarm, where plantation forestry has recently been felled, was observed to be disturbed and modified by the presence of tree roots and uprooted stumps. Elsewhere across the Site, ground conditions were generally boggy and poorly drained, with areas of flush and standing/slow-flowing water. Numerous man-made drains have been cut across the Site, exhibiting exposures of peat and underlying clay, however the Site generally remains very wet. The south east Site area, around Eldrig Fell, was observed to be driest, with little or no observable peat. Additionally, the area around Ha' Hill in the north west of the Site was observed to have bedrock at or near the surface, with little or no peat recorded.

## 1.5 Surface Water and Sensitive Receptors

### *Hydrology*

1.5.1 The Tarf Water, which is part of the River Bladnoch Special Area of Conservation (SAC), flows south and east along the western and southern boundaries of the Site. The following four smaller watercourses flow generally from north to south across the Site (between the above-noted hill features), into the Tarf Water:

- Back Burn rises within the woodland to the north east of the Site and flows south west along the southern edge of the recently felled plantation forestry, towards the north west of the main body of the Site.
- Ha' Hill Strand rises near the northern Site boundary and flows south into the Tarf Water on the western Site boundary, with several smaller tributaries entering the Ha' Hill Strand from points further east.
- Monandie Burn rises near the eastern corner of the northern Site boundary and flows south into the Tarf Water.
- Loch Strand flows essentially parallel to the Monandie Burn, approximately 200 to 400 m to the east. The low-lying, boggy area between these two watercourses is identified as Monandie Rig. Loch Strand is joined by numerous small drains and tributaries in its southern reaches.

1.5.2 Eldrig Loch is located just outside the northern Site boundary towards the south east of the Site. Additionally, an unnamed tributary of the March Burn rises on Eldrig Fell and flows north east to the Site boundary where it enters the March Burn. An unnamed tributary of the Black Burn rises on the south east Site boundary and also flows north east.

1.5.3 The 2014 SEPA classification of the Tarf Water at this location is good. The Black Burn was classified in 2014 as poor, with unknown pressures on its ecological condition. The smaller watercourses on the Site are not classified, but given that they flow into the Tarf Water they are anticipated to have a similar overall status i.e. good.

1.5.4 All of the watercourses on the main body of the Site, and into which the Site drains, form part of the wider catchment of the River Bladnoch, which is designated as a SAC. The designation includes the Tarf Water adjacent to the Site.

1.5.5 The locations of watercourses on and adjacent to the Site are shown on **TA Figure 7.2.1**.

### *Hydrogeology*

1.5.6 The groundwater body beneath the study area is indicated by SEPA to comprise the Galloway groundwater (ID 150694). This groundwater body was classified by SEPA in 2017 as having an overall status of good, a water flows and levels status of good and a quality status of good.

1.5.7 Hydrogeology mapping data from the BGS shows the bedrock beneath the study area to comprise a low productivity aquifer in which flow is virtually all through fractures and other discontinuities.

1.5.8 Till, where present, is anticipated to be relatively low permeability, inhibiting groundwater flow. Peat and peaty soils would also be expected to inhibit groundwater flow.

### *Human Receptors*

1.5.9 Human receptors that may be at risk from peat slide include: construction staff during construction of the development; the tenant farmer undertaking work on the Site; and recreational users of onsite and adjacent paths. Given the transient use of the Site by these receptors, risk of harm from peat slide is considered to be negligible and is not considered further in this assessment.

### *Ecology*

1.5.10 No terrestrial protected species have been identified as likely to be impacted by peat slide within the study area. Therefore, these have not been considered further in this assessment. The Kirkcowan Flow Site of Special Scientific Interest (SSSI)/SAC adjacent to the north of the Site is internationally designated for its blanket bog habitat and is therefore a highly sensitive receptor. However, it is up-gradient from the Site and unlikely to be affected by peat slide derived from the Site area.

1.5.11 Ecological resources associated with watercourses are considered as part of the identified surface water receptors noted in the Hydrology section above. As noted above, the Tarf Water forms part of the River Bladnoch SAC, which is designated mainly for Atlantic salmon.

## Archaeology

- 1.5.12 There are numerous onsite heritage assets, which have the potential to be disturbed or directly impacted by peat slide. The only statutorily designated asset onsite is a Scheduled Monument at Eldrig Fell in the south east of the Site. This monument is located at the high point of the hill in an area with little recorded peat. Other assets on the Site are undesignated and, although notable, are not considered highly sensitive to potential impact by localised peat slide.

## Infrastructure and Built Environment

- 1.5.13 There are no existing onsite infrastructure or built environment receptors which could be affected by peat slide, although the proposed Development turbines and associated infrastructure would themselves be receptors at risk of damage from peat slide.
- 1.5.14 There are no off-Site infrastructure or built environment receptors (including turbines at the Operational Kilgallioch Windfarm) which are in close enough proximity to be potentially affected by peat slide at the proposed Development Site.

## 1.6 Peat Surveys

- 1.6.1 Peat survey work has been undertaken over several phases, as described below.
- 1.6.2 Peat depth survey work was undertaken as part of the EIA process for the Operational Kilgallioch Windfarm. Surveys comprised peat probing within the Site and Kirkcowan Flow SSSI/SAC to the north and east of the Site in 2006 (8,929 locations), plus additional probing within the Site and around roads and other infrastructure proposed as part of the original Kilgallioch Windfarm application.
- 1.6.3 The above survey data provided good coverage of the Site in terms of information on peat depth and distribution. However, in order to supplement this data and ensure full coverage of the Site on the basis of a 100 m grid spacing (in accordance with guidance for preliminary assessment of peatland and conditions set out in the 2017 Scottish Government Guidance on Developments on Peatland – Peatland Survey), supplementary Stage 1 survey work was undertaken on 11<sup>th</sup> July and 5<sup>th</sup> August 2019.
- 1.6.4 Data obtained from the peat depth surveys were used to plot the presence and distribution of peat across the proposed infrastructure development areas at the Site, create a contour plan, and feed into detailed design iteration.
- 1.6.5 Following “design chill”, a Stage 2 peat depth probing exercise was undertaken on 3<sup>rd</sup> to 6<sup>th</sup> September, 1<sup>st</sup> and 2<sup>nd</sup> October 2019, to record peat depth at each proposed turbine and hardstanding location, along the route of proposed access tracks, and at proposed infrastructure locations including construction compound, operations building, and borrow pit search areas. The following pattern of probing was adopted for Stage 2:
- Probe at each proposed turbine location with a 10 m spaced cross-grid out to 50 m from the turbine centre to the north, south, east and west;
  - At least four probes at each proposed turbine hardstanding area;
  - Nine probes at/adjacent to the proposed operations building location and construction compound;
  - Three probes in the immediate vicinity of the proposed permanent met mast;
  - Generally every 50 m along proposed access tracks, plus approximately 10 m either side of each probe, perpendicular to the route of the track, with some minor exceptions where access was particularly challenging and sufficient data was available from Stage 1 probing and earlier probing data; and
  - Probes on an at least a 100 m grid within the two proposed borrow pit search areas.
- 1.6.6 In total, data has been obtained from 3,011 peat probe locations across the Site area. **TA Figure 7.2.2** shows the distribution of peat depth survey locations from the above survey phases.

- 1.6.7 Peat sampling was undertaken using a hand auger, at proposed turbine and infrastructure locations. Peat samples were collected and dispatched to Envirolab laboratory and tested for moisture content, bulk density, and carbon content, in order to help characterise the peat at different locations and depths across the Site. Table 7.2.1 provides information on the location and depth of peat samples collected, and the sampling locations are illustrated on **TA Figure 7.2.2**.

Sample Reference and Location Description	Easting	Northing	Depth (m below ground level)
51 – Turbine 11	224519	569291	0.50
51 – Turbine 11	224519	569291	0.70
75 – Turbine 9	224228	569776	0.15
88 – Turbine 10	223551	569795	0.29
116 – Turbine 1	224926	569849	0.20
131 – Turbine 4	222907	569867	0.36
159 – Turbine 3	223603	570348	Not recorded
170 – Turbine 6	224832	570360	0.45
194 – Turbine 2	222904	570588	0.30
220 – Turbine 5	224014	570833	0.50
220 – Turbine 5	224014	570833	0.72
234 – Turbine 7	224572	570852	0.25
252 – Turbine 8	223402	570882	0.50
252 – Turbine 8	223402	570882	1.00
406 – Borrow pit search area 2 (SE)	225860	568643	0.60
414 – Borrow pit search area 1 (NW)	222827	570481	0.50
419 – Southern track	226270	568402	0.40
422 – Construction compound	222849	570921	0.50

**Table 7.2.1: Peat Samples Collected for Laboratory Analysis**

- 1.6.8 The potential solar array areas were not specifically targeted for detailed survey during Stage 2 given that construction of the solar arrays would involve considerably less peat disturbance and excavation, with the built footprint occupying a small proportion of the development area. However, numerous probe points were available from the Stage 1 and earlier surveys, providing sufficient information on the depth and distribution of peat within the solar area areas.

### Survey Results

- 1.6.9 The peat depth survey identified that, as expected following the desk study and reconnaissance walkover, much of the Site area is underlain by peat deposits. However, there are areas where peat is thin or absent, mainly towards the south-east but also on the hill features towards the west and centre of the Site. These areas of sloping ground tend to have little or no peat cover and they separate the flatter, bogger Site areas where deeper peat is present.

- 1.6.10 Laboratory testing identified moisture contents and carbon contents generally within or slightly below the typical values for peat of 85 to 95%, and 55%, respectively. Four of the 18 samples (Turbine 3, Turbine 6, Turbine 9 and borrow pit search area 1) returned carbon content results of 25% or less, and three of these had moisture contents below 80%. Based on survey observations and the lab results, these four samples are considered to be mineral soils/peaty soils rather than peat.

### Interpretation of Findings

- 1.6.11 The general distribution of depth of penetration recorded during the peat investigations are summarised in Table 7.2.2 and presented in **TA Figure 7.2.3**.

Peat Depth Interval (m)	Number of occurrences	% of probes
0	1823	60.5
0.01 – 0.49	552	18.3
0.5 – 0.99	227	7.5
1.0 – 1.49	110	3.7
1.5 – 1.99	71	2.4
2.0 – 2.49	71	2.4
2.5 – 2.99	56	1.9
>3.0	101	3.4
Total	3011	100.00

Table 7.2.2: Distribution of Peat Depth Recorded at the Site

1.6.12 The Peat Landslide Hazard Best Practice Guidance (2017) uses the following Joint Nature Conservation Committee (JNCC) report 445 ‘Towards an Assessment of the State of the UK Peatlands’ definition for classification of peat deposits:

- **Peaty (or organo-mineral) soil:** a soil with a surface organic layer less than 0.5 m deep;
- **Peat:** a soil with a surface organic layer greater than 0.5 m deep which has an organic matter content of more than 60 %;
- **Deep Peat:** a peat soil with a surface organic layer greater than 1.0 m deep.

1.6.13 Applying these definitions indicates that the deposits underlying the Site comprise largely peaty or organo-mineral soil (78.9% of probe locations, although it is noted that the number of probes does not directly correlate to spatial area). The above definition of peat applies to conditions recorded at 7.5% of probes, with the remaining 13.6% of probes encountering deep peat.

#### *Peat Contour Mapping*

1.6.14 TA Figure 7.2.3 shows the interpreted peat depth, both as individual data points and as a contour plan based on interpolation of those peat sampling data points. The contouring has been undertaken using Natural Neighbour Interpolation which finds the closest subset of input samples to a query point and applies weights to them based on proportionate areas in order to interpolate a value.

1.6.15 The peat contour mapping shows localised areas of deep peat occupying the flat, boggy parts of the Site between hill features. Peat is shallow or absent on sloping hillsides and in some other Site areas including most of the proposed solar search area around proposed Turbine 5, the area between and including the proposed locations of Turbines and 11, the eastern area around proposed Turbines 1 and 6, and the south east area around High Eldrig, Eldrig Fell and proposed borrow pit search area 2.

## 1.7 Peat Stability Hazard Scoring

### *Introduction*

1.7.1 The Best Practice Guide defines the hazard scoring assessment as ‘the likelihood of a peat landslide event occurring’. It states that there are a number of possible methods for hazard scoring and that an initial qualitative hazard scoring matrix methodology be employed using professional judgement on hazard based on qualitative scoring scales.

### *Methodology*

1.7.2 The allocation of hazard score values for the various parameters which influence peat landslide occurrence (e.g. slope gradient, peat depth) is not defined in the Best Practice Guide and there is no published guide specifically relating to this issue.

1.7.3 As such it is left to assessment teams to develop their own approach for categorising the hazard scoring for the Site and the following outlines the approach used for this specific Site.

1.7.4 The potential for a peat slide to occur is controlled by a number of natural controlling factors. These are typically:

- Slope gradient;
- Peat depth;
- Peat strength;
- Relief;
- Evidence of historical failures/potential instability (e.g. tension cracks, creep, compression ridges);
- Vegetation cover; and
- Hydrology.

1.7.5 The most important of the above controlling factors are considered by the assessor to be peat depth and slope gradient as without both of these elements a risk of peat slide would be unlikely to exist. No clear evidence of potential instability (e.g. major tension cracks, creep, compression ridges etc.) were observed. These controlling factors have therefore not been utilised as part of this assessment.

1.7.6 The Best Practice Guide relates peat landslide hazard to a scale of 1 to 5, with 1 being negligible likelihood and 5 being almost certain. This scale relates to the final hazard potential for all the controlling factors under consideration. No guidance is provided on how the various factors should be combined to derive a final hazard scoring and the assessment team has derived a numerical scoring system as detailed in the following sections.

1.7.7 Consideration/discussion of the natural controlling factors (excluding peat depth, slope gradient and geomorphological evidence) for this Site in relation to developing an appropriate hazard scoring provided below:

- **Peat Strength:** site specific peat strength data was not collated for the Site given the difficulty in obtaining reliable values of shear strength using common place in situ and laboratory soil strength tests. The shear strength is also linked to peat depth as strength is considered to decrease with thickness. As such this parameter is considered to be factored into the hazard scoring for peat depth.
- **Relief** – this factor is considered relevant as much of the slopes onsite are unconfined, however development of a justifiable scoring system for this parameter is complex. Additionally, given that observed convex slopes at the Site correspond well to the locations of steeper gradients, it is considered that the slope gradient parameter assessment also covers relief.
- **Vegetation cover** – The absence of a justifiable scoring system for this parameter prevents the inclusion of this factor in the assessment.
- **Hydrology** – No detailed investigation of peat pipe networks (if present) has been completed for the Site given the constraints of dense surface vegetation cover likely masking the presence of such features. It was clear from the survey work that there are numerous drains cut across the Site, and these are evident on aerial photography. Mainly, these correspond to the low-lying, flat areas of the Site and they are not considered to be a controlling factor in the potential for peat slide occurring. However, natural surface water features have been considered in the assessment of exposure as these are considered to be a sensitive receptor to peat slide.

1.7.8 The following hazard scoring and assessment mapping was conducted using the Spatial Analyst extension of ArcGIS 10.3. This is a qualitative approach utilising available data sets within a multicriteria analysis.

1.7.9 Two GIS layers have been developed for the key controlling factors of peat depth and slope angle. The scoring attributed to each is outlined in the following sections.

1.7.10 It is important to note that this study only focuses on peat soils and the criteria used is specifically tailored to the key factors affecting peat stability. As such it does not account for the stability of other mineral soils or rock.

### *Input Data Sets*

- 1.7.11 The input data sets used for the analysis were as follows:
- Terrain 5 DTM with a 5 m grid size; and
  - Site survey information for peat depth and Site observations.
- 1.7.12 The assessment has been undertaken at each peat probe location to evaluate the spatial distribution of the hazard factors around the windfarm infrastructure. The DTM represents the bare terrain with tree and other object elevations omitted.
- Layers and Score Ranking*
- Peat Depth Layer**
- 1.7.13 Peat thickness is seen as one of the key factors associated with peat stability. Typically, the deeper the peat the more humified, and therefore potentially weaker and unstable it is. Peat depth surveys have been completed on the Site and these data were then interpolated using the Natural Neighbour method (see **TA Figure 7.2.3**).
- 1.7.14 The Best Practice Guide details that peat slide risk assessment is needed for sites with peat greater than a depth of 0.5 m and as such this is taken as the lower boundary for the hazard scoring (i.e. negligible likelihood – Score 1). It also states that slides tend to occur in peat up to 2 m deep therefore this has been taken as the upper level for the hazard scoring as almost certain (Score 5).
- 1.7.15 Intermediate peat depths have been assigned corresponding scores of 2, 3, and 4 assuming peat slide likelihood increases with peat depth.
- 1.7.16 The depth GIS layer was then given hazard scoring attributes as shown in Table 7.2.3.

Score	Peat Depth (m)	Hazard (Likelihood)
1	<0.5	Negligible
2	0.50 – 1.00	Unlikely
3	1.00 – 1.50	Likely
4	1.50 – 2.00	Probable
5	>2.00	Almost Certain

**Table 7.2.3: Peat Stability Hazard Scoring (Peat Depth)**

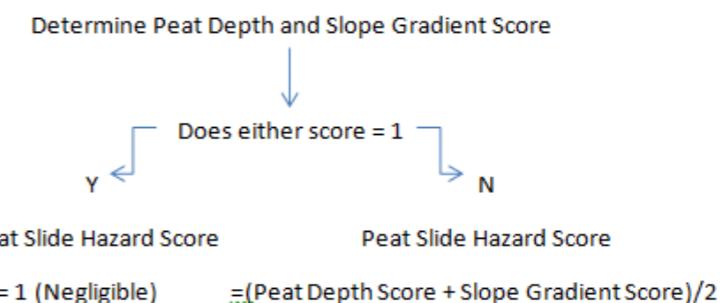
**Slope Angle Layer**

- 1.7.17 The limiting factor governing the formation of thick peat deposits is topography. In the case of blanket peat, it tends to be deepest in closed depressions, and typically thin as the slope angle increases (Boylan *et al.* 2008).
- 1.7.18 The Best Practice Guide details that peat slide hazard risk assessment is not needed for blanket bog sites with slopes less than 2° and as such this is taken as the lower boundary for the hazard scoring (i.e. negligible likelihood – Score 1). It states that the majority of recorded failures are on slopes with gradients typically 4° to 8°. The lower end of this range is therefore taken as the break point between an “unlikely” and “likely” hazard ranking. Less frequent peat slides may be recorded on steeper slopes, however this is considered more likely to be related to the typical absence of or limited peat on such slopes. For conservatism, higher hazard rankings are assigned to slopes with steeper gradients above this 4° threshold level.
- 1.7.19 A slope angle GIS layer was generated from the DTM at a 5 m cell resolution. The source DTM is also at a 5 m resolution. This slope, calculated in degrees, was ranked as shown in Table 3. The slope angle details are provided in **TA Figure 7.2.4**. To assess the Slope Gradients, the following table was used:

Score	Slope (degrees)	Hazard (Likelihood)
1	<2	Negligible
2	2 – 4	Unlikely
3	4 – 6	Likely
4	6 – 15	Probable
5	>15	Almost Certain

**Table 7.2.4: Peat Stability Hazard Scoring (Slope)**

- 1.7.20 There is no guidance available on how to combine the hazard scoring for each of the factors used in the assessment. The assessment team have used a dual-criteria analysis approach whereby both factors are equally weighted and averaged. The exception to this is when either the peat depth or slope angle has a score of 1, then the hazard will be classed as 1.
- 1.7.21 The rule illustrated by the formula below has been applied, as peat slide on a blanket bog site is considered to be unlikely in the instance that the slopes are less than 2° and/or the peat depth is less than 0.5 m.



- 1.7.22 In addition to this scoring system, professional judgement can be applied when experience of the Site and local peat conditions are known, if a separate score is deemed to be more appropriate.

**Peat Slide Hazard Scoring Summary**

- 1.7.23 Table 7.2.5 below presents a summary of the Peat Slide Hazard scoring for the Site, using the decision tree described above. Note that for conservatism, all peat slide hazard scores are rounded up to the nearest whole number. The hazard scores for all probe points are illustrated on **TA Figure 7.2.5**.

Peat Slide Hazard Score	Hazard (Likelihood)	% Occurrence
1	Negligible	91.5
2	Unlikely	6.9
3	Likely	3.2
4	Probable	1.8
5	Almost Certain	<0.1

**Table 7.2.5: Peat Stability Hazard Scoring (Summary)**

- 1.7.24 As can be seen from Table 7.2.5 and **TA Figure 7.2.5**, the large majority of the Site had a hazard score of 1 indicating negligible risk, due to either the slope or peat depth score being negligible. Areas with hazard scores of 2 (unlikely) and 3 (likely) coincide with sloping ground and/or deeper peat. Almost all of the locations with a hazard score of 4 (probable) are in areas of deep peat (>2 m) but on relatively shallow slopes (2° to 4°). Only one probe location recorded deep peat on a steep slope, resulting in a hazard score of 5.

## 1.8 Peat Slide Hazard Risk Assessment

### *Methodology*

1.8.1 The level of risk allocated to a particular area relates to the presence of peat, the likelihood of failure occurring (the hazard) and the consequences of such a failure (the exposure). Risk assessment should be based on consideration of the hazard (discussed above) and exposure (consequence of peat failure):

$$\text{Hazard} \times \text{Exposure} = \text{Risk}$$

### *Consequences of Peat Failure (Exposure)*

1.8.2 The effects of peat failures are felt locally, both in the long and short term, but they can also have wider off-site implications.

1.8.3 A key part of the risk assessment process is to identify the potential scale of peat failure, should it occur, and identify the potential environmental effects as well as the receptors of such an event.

1.8.4 Predicting the size of a failure and the distance it may travel is very difficult. The high moisture content of peat makes it especially mobile once it fails and the structure of the peat breaks down. If a peat slide enters a watercourse this can mobilise the slide further and have impacts many kilometres beyond the bounds of the site. In many instances, minor slumps are localised and have little or no impact. Other failures may travel at 100 – 200 m and those entering watercourses, many miles, as was the case of the Derrybrien failure in Co. Galway, Ireland in 2003 (Bragg & Lindsay 2005).

1.8.5 Peat failure associated with the proposed Development could affect the following key receptors:

- The proposed Development itself including associated infrastructure;
- Site workers and plant (risk of injury/death or damage to plant);
- Land based ecological effects (damage to habitats);
- Effects on the quality of onsite and downstream watercourses;
- Site drainage (blocked drains/ditches leading to localised flooding and/or erosion);
- Archaeological assets; and
- Visual amenity (scarring of the landscape).

1.8.6 The surface watercourses on and adjacent to the Site are described in paragraphs 1.5.1 to 1.5.4 above. Given that the watercourses onsite are all within the River Bladnoch catchment, which is subject to an international designation as a SAC, surface water receptors are considered to have high sensitivity.

1.8.7 As noted in paragraph 1.5.11, there are numerous archaeological assets on the Site, however apart from a Scheduled Monument at the top of Eldrig Fell, these are not considered to be highly sensitive to potential impacts from localised peat slide.

1.8.8 Therefore, other than surface watercourses and the proposed Development infrastructure itself, no other sensitive features have been identified on or adjacent to the Site that are likely to be affected by peat slide.

1.8.9 Based on the above, the scale of 1 to 5 shown in Table 7.2.6 below has been qualitatively determined and used to score the exposure (impact) considered appropriate at all peat probe locations:

Score	Consequence	Exposure (Impact)
1	Minor restoration of works.	Low
2	Blockage of Site access roads or local drainage systems.	Low – Medium
3	Damage to rural lands and localised pollution to watercourses.	Medium
4	Blockage of public roads, short to medium term pollution incident.	Medium – High

Score	Consequence	Exposure (Impact)
5	Loss of life, major damage to property, public roads and major pollution incident to watercourses.	High

Table 7.2.6: Peat Slide Exposure Categories

1.8.10

Table 7.2.7 below provides a summary of the qualitative exposure assessment at the peat probe locations.

Score	Number of occurrences	% of Total
1	1563	51.9
2	1355	45.0
3	93	3.1
4	0	0
5	0	0
Total	3011	100

Table 7.2.7: Peat Slide Exposure Distribution at the Site

1.8.11

As shown in the summary table above, just over half of the peat probe points are assessed as being in areas with exposure score of 1. Just under half are in areas with exposure score of 2, due to being within 50 m of proposed turbines and infrastructure, or within 50 m of watercourses (other than the Tarf Water). Points within 100 m of the Tarf Water are assessed as having exposure score 3, totalling 3.1% of all points.

### *Peat Slide Hazard Risk Scoring*

1.8.12

Following the identification of the above hazards and exposure, it is possible to categorise each peat probe location with a risk score by multiplying the likelihood of the hazards by its potential impact (exposure). The matrix suggested by the Best Practice Guidance to determine the risk category is presented in Table 7.2.8 below:

Peat Slide Hazard Risk Scoring		Action Suggested
1 – 4	Negligible	Project should proceed with monitoring and mitigation of peat landslide hazards at these locations as appropriate
5 – 10	Low	Project may proceed pending further investigation to refine assessment and mitigate hazard through relocation or re-design at these locations
11 – 16	Medium	Project should not proceed unless risk can be avoided or mitigated at these locations, without significant environmental impact, in order to reduce risk score to low or negligible
17 – 25	High	Avoid project development at these locations

Table 7.2.8: Peat Slide Risk Categories

1.8.13

Table 7.2.9 below presents a summary of the assessment of peat slide hazard risk based on the methodology set out above, and is illustrated in TA Figure 7.2.6.

Peat Slide Hazard Risk Scoring	Number of Occurrences	% of Total	
1 – 4	Negligible	2900	96.3
5 – 10	Low	105	3.5
11 – 16	Medium	6	0.2
17 – 25	High	0	0
Total		3011	100

Table 7.2.9: Peat Slide Risk Distribution at the Site

1.8.14

The summary presented in Table 7.2.9 indicates that the risk of peat slide at the large majority of peat probe locations is negligible or low. Only six points (0.2%) recorded a risk of medium, and no points were assessed as high risk. The six points with medium risk scores are all in close proximity to the Tarf Water, a minimum of 330 m away from any proposed infrastructure.

## 2 Proposed Development Design and Mitigation

### *Detailed Design and Site Investigation*

- 2.1.1 A detailed site investigation would be required to assist detailed design. Intrusive ground investigations would be completed at infrastructure locations prior to construction commencing to ascertain depth to bedrock and suitable founding conditions.
- 2.1.2 A detailed stability analysis can then be completed at all infrastructure locations using the increased confidence in the shear strength/peat depth data to provide added robustness to the stability assessment.

### *Turbines*

- 2.1.3 This peat slide hazard risk assessment has identified that all turbines are at negligible risk locations. However, a specific construction method statement would be produced which would draw on the findings of intrusive investigations. The method statement would detail the exact construction methodology to be used, taking into account:
- A geotechnical analysis for each turbine base;
  - The method of excavation and the location for placing and storing excavated material to ensure that these operations do not give rise to slope or site instability;
  - Methodology for storing and watering surface vegetated turves, for re-sodding bare areas;
  - Details of how excavated spoil would be stored;
  - Avoidance of construction (if possible) on wet areas, flushes and easily eroded soils;
  - Adequate drainage design to cater for expected heavy rainfall events; and
  - Monitoring of ground movement and water levels.

- 2.1.4 The Construction Method Statement would also detail how pumped water from excavated bases would be controlled and monitored to ensure it is appropriately managed and if directed into or conveyed to existing drains/watercourses, to ensure that all have adequate treatment beforehand and capacity to deal with the volumes of water encountered.

### *Access Tracks*

- 2.1.5 Areas of deep peat have been avoided wherever possible with respect to access track routing, as described in Chapter 3 of the EIAR. However, it has not been possible to entirely avoid all areas of deep peat, therefore some localised stretches of new track would be floated, to avoid the requirement to excavate deep peat. Based on the findings of the peat surveys, it is estimated that 1,870 m of the new roads would be floated (approximately 8% of the total proposed Development track length).

- 2.1.6 Construction of floated roads would be carried out considering the effects of consolidation and the effect loading would have on stability, hydrology and ecology. Construction would require the placing of a geotextile membrane on existing topsoil and vegetation followed by aggregate layers. Depending on ground conditions identified from further, detailed geotechnical investigations, two or more layers of geotextile would be placed in layers of 300 mm to 500 mm. The access tracks would be capped with layers of Type 1 or similar material. Type 1 is unbound aggregate mixture specified under Clause 803 of the Specification for Highway Works (2016) as suitable for vital load bearing foundation in road construction.

- 2.1.7 The following additional measures would be employed to ensure suitable construction of tracks and minimising risk of instability:
- Roads would be constructed to take the required vehicular loadings, having due regard to overall site stability;
  - Machinery and vehicles used in track construction would be operated from the already constructed sections of the road as it progresses;

- Conservative design parameters would be used;
- Good quality rock would be used to construct roads where applicable;
- Ground movement and water level monitoring would be carried out at all times;
- All machinery and construction methods onsite would be selected with a view to minimising impact on the surrounding habitat; and
- All roads would have sufficiently sized culverts, permeable fill or cross drains at the location of each water crossing, flush or other hydrological feature in order to allow the natural flow of water across the Site and prevent ponding and the generation of pore pressures which may initiate instability.

### *Drainage Areas*

- 2.1.8 Design and construction of a suitable drainage system for the proposed Development would follow Sustainable Urban Drainage Systems (SUDS) principles and would ensure natural drainage without significant alteration of the hydrological regime of the local Site area.
- 2.1.9 Any construction activity relating to, or undertaken in the vicinity of watercourses would be carried out in general accordance with relevant SEPA Pollution Prevention Guidelines, The Water Framework Directive (WFD), The Water Environment and Water Services (Scotland) Act 2003 (WEWS) and the Controlled Activities Regulations (CAR) 2011 (as amended).

### *Borrow Pits*

- 2.1.10 Pre-construction site investigation works would be undertaken to further assess the borrow pit search areas and to identify the specific excavation locations and extents within the search areas. This would be based on peat depth and distribution, with deep peat avoided, and suitability of rock for excavation. These further investigations would also establish the method of extraction, determining whether any blasting is required. If blasting is required, further analysis of potential impacts on peat stability in the vicinity would be undertaken and appropriate mitigation stipulated.

### *Monitoring and Management*

- 2.1.11 A line of surveyed and levelled pegs and visual monitoring is an acceptable method of monitoring movement adjacent to roads, excavations and stockpile areas.
- 2.1.12 Thus, as construction activities commence, the appearance of the area and surrounding land would be monitored visually by installing a line of levelled pegs adjacent to the activity location. Specifically, the following signs would be looked for:
- An increased rate of sinking or tilting;
  - The rising of adjacent peat/peaty soils;
  - Cracking and lateral movement of the soil surface; and
  - A rise in water levels.
- 2.1.13 The Principal Contractor would ensure that suitably qualified and experienced construction staff are engaged on the project, including a senior geotechnical engineer with extensive practical knowledge and experience of similar conditions to those at the Site. The senior geotechnical engineer would have responsibility for maintaining and actively monitoring a geotechnical risk register for the construction works.
- 2.1.14 On a similar note, all staff would undergo a site induction and suitable training relating to construction on peatland sites. This would raise awareness of ground instability indicators, best practice construction techniques, mitigation and emergency procedures. All staff should be responsible for observational monitoring and reporting.

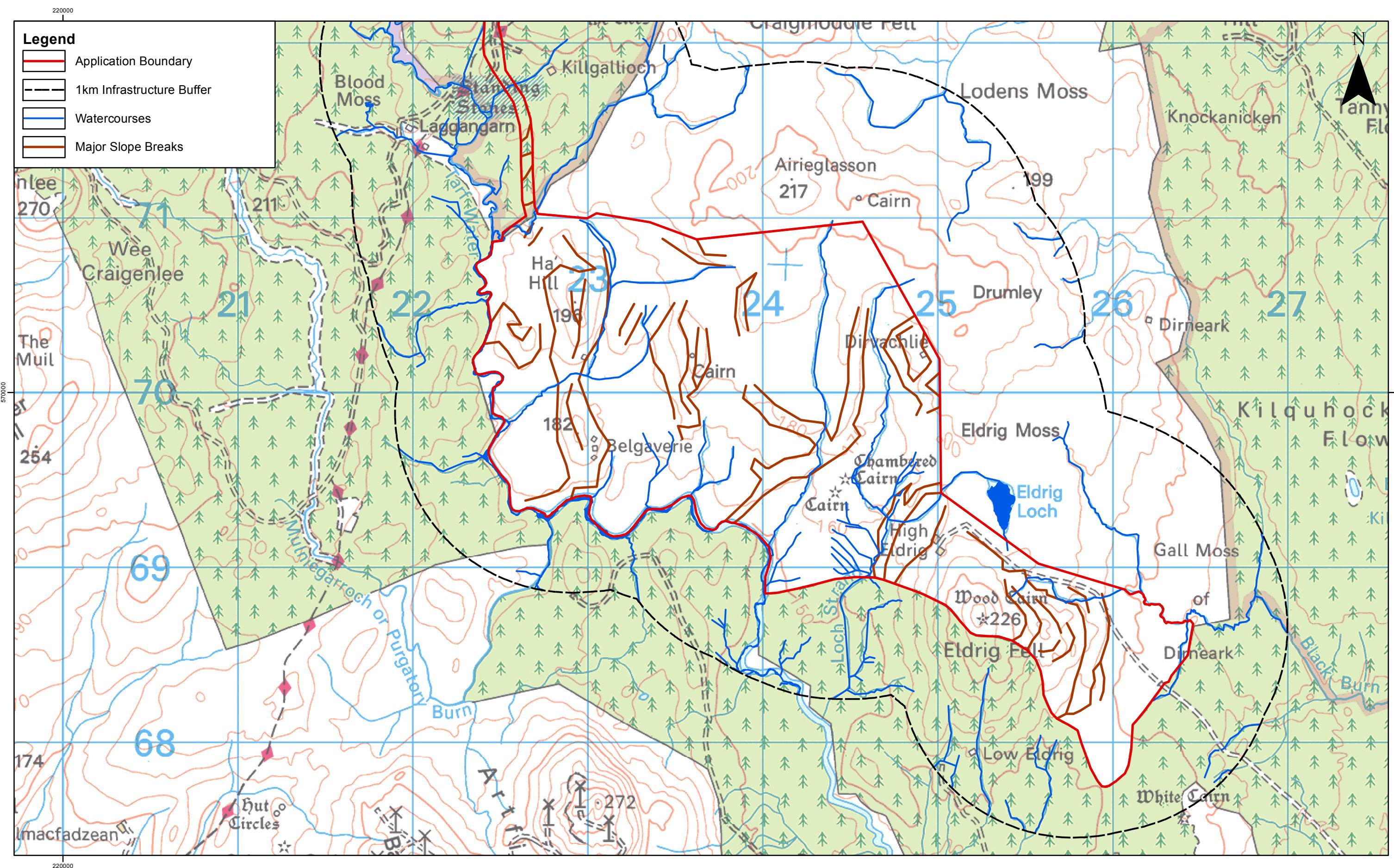
### 3 Conclusion

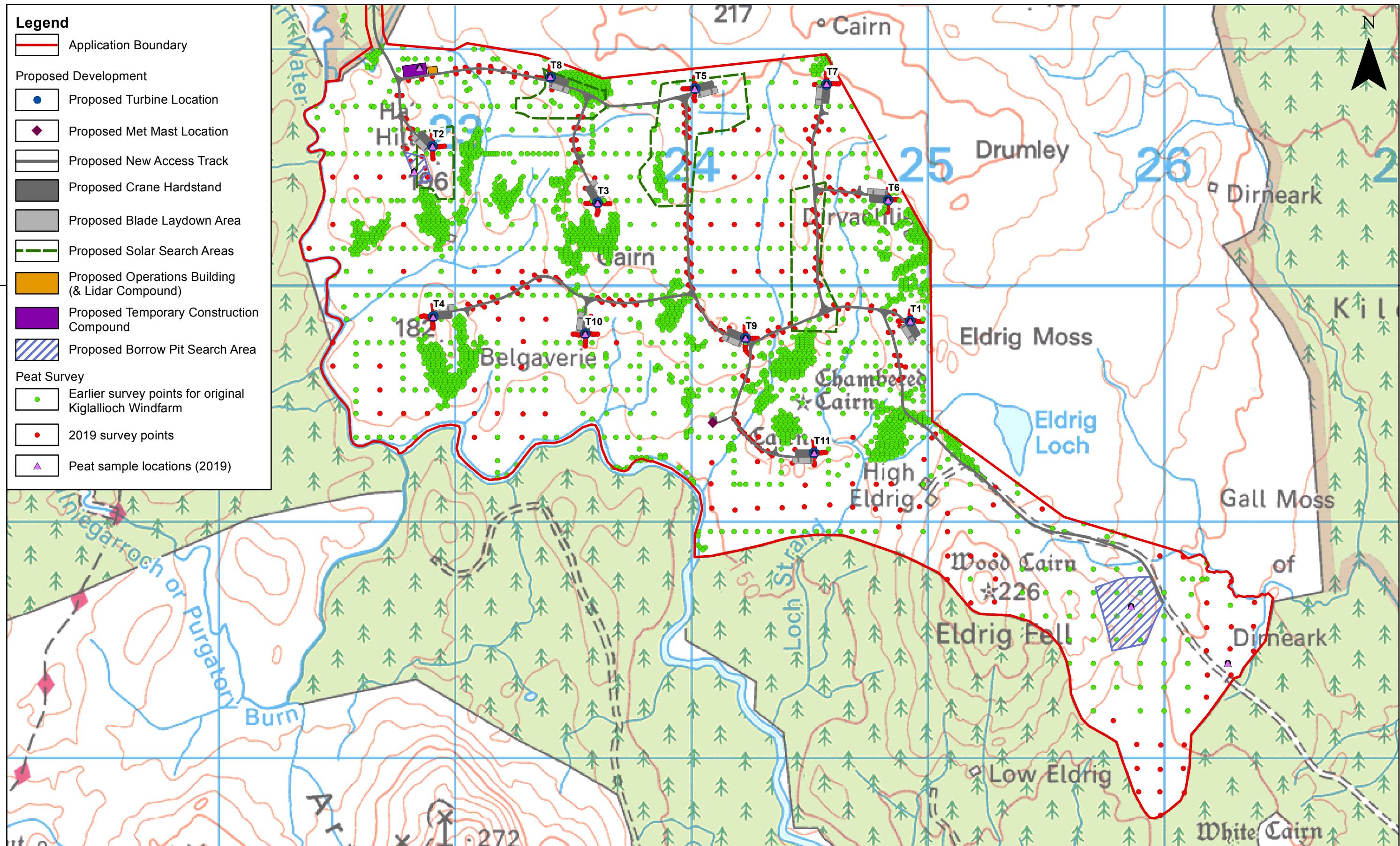
- 3.1.1 Based on an extensive peat survey programme, the proposed Development is characterised as a blanket bog site with variable peat depths across the Site, generally thickest on flat, low lying areas and thin or absent on hill slopes. The proposed Development layout, including turbines and associated infrastructure, has been designed to avoid the areas of deep peat wherever possible and areas where peat landslide may occur. Further detailed design would be informed by detailed ground investigations to be undertaken prior to commencement of any works onsite.
- 3.1.2 The peat slide risk assessment has identified that the majority of the assessed area has a negligible peat slide risk level. A small proportion of probe locations have been assessed as having a low peat slide risk. Only six specific probe locations were identified as medium risk, all more than 330 m from any proposed infrastructure.
- 3.1.3 Mitigation measures are detailed herein which would assist in reduction of any potential risks associated with construction activities causing ground instability, including undertaking detailed intrusive ground investigations.

### 4 References

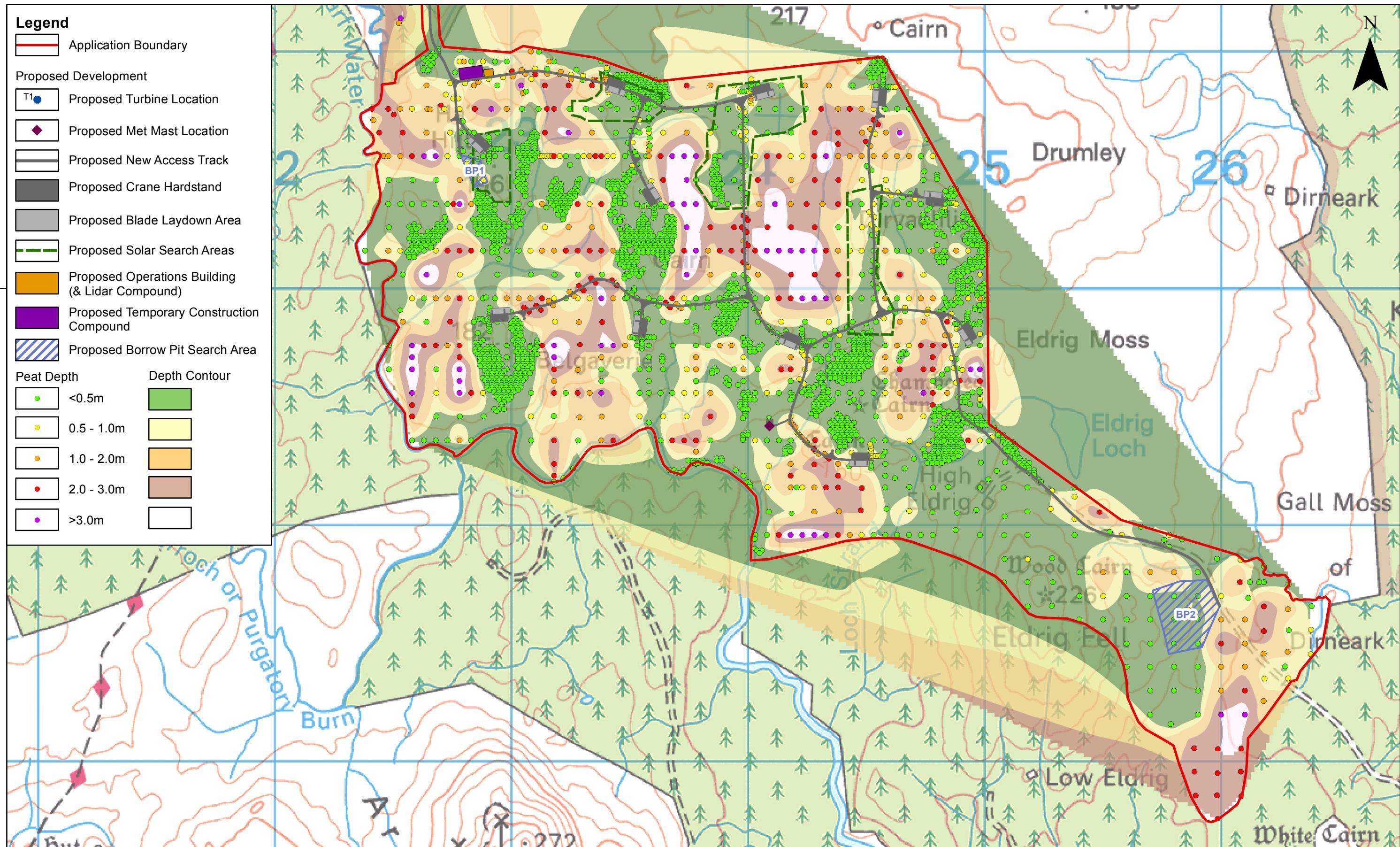
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**Figures**



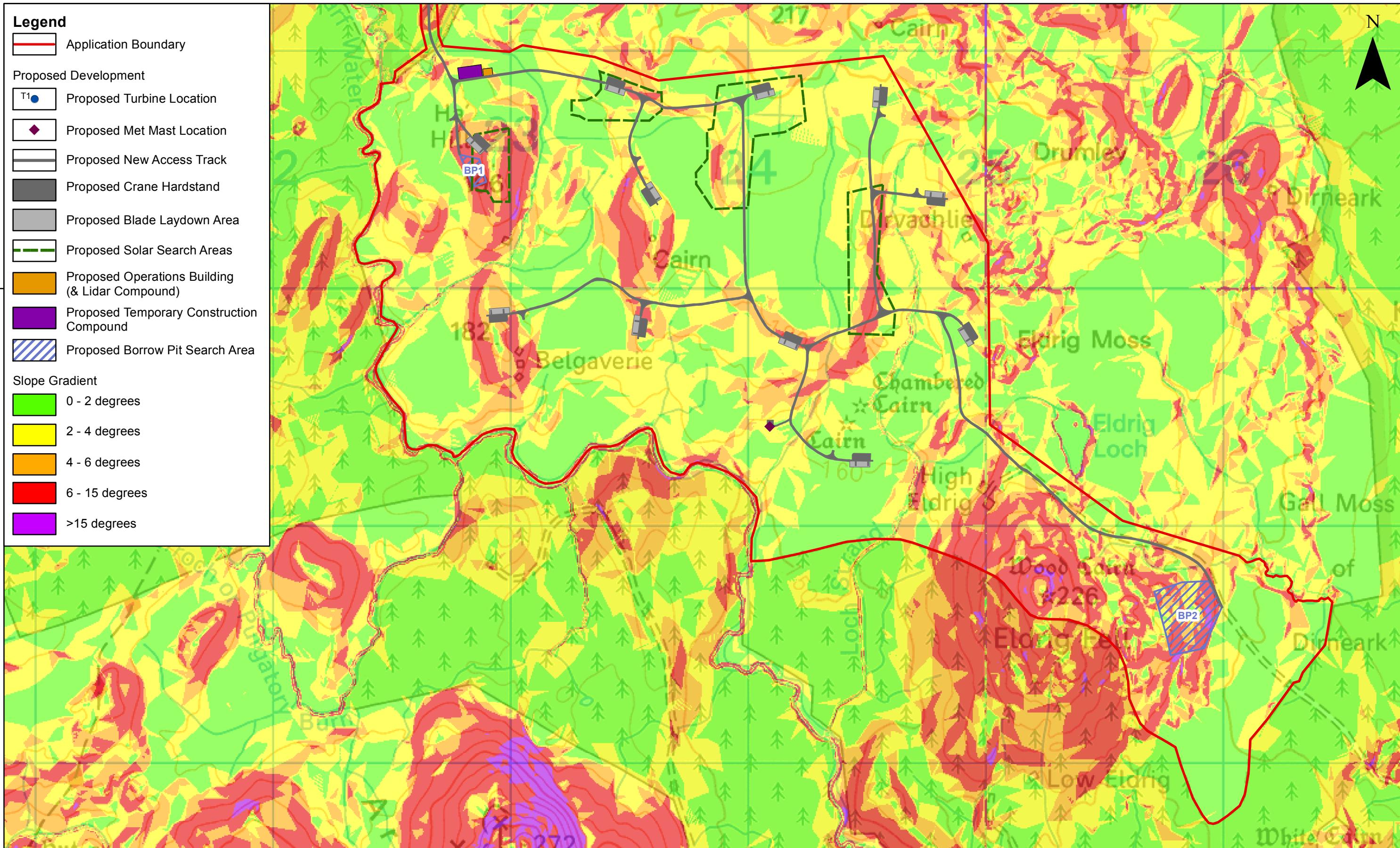


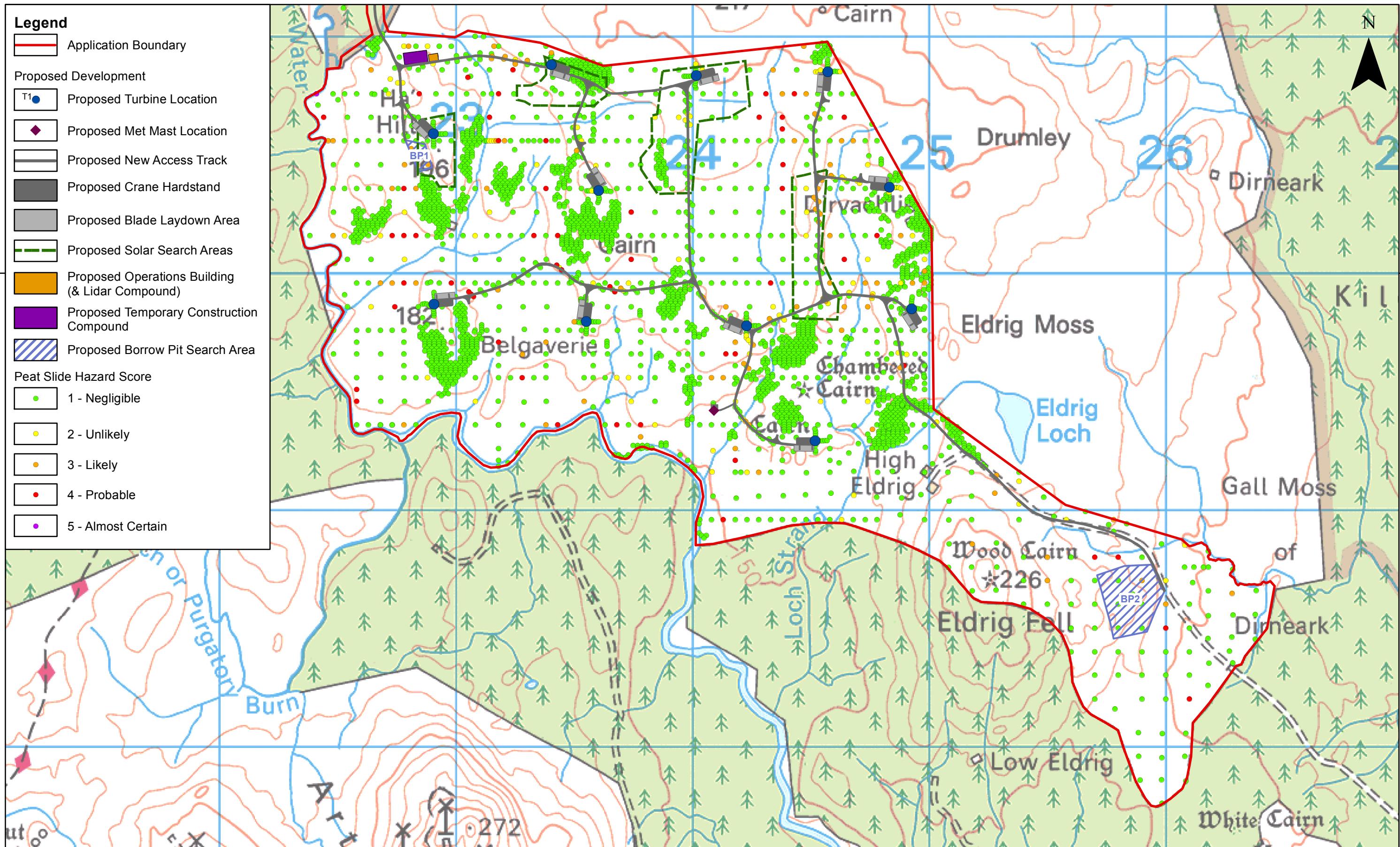
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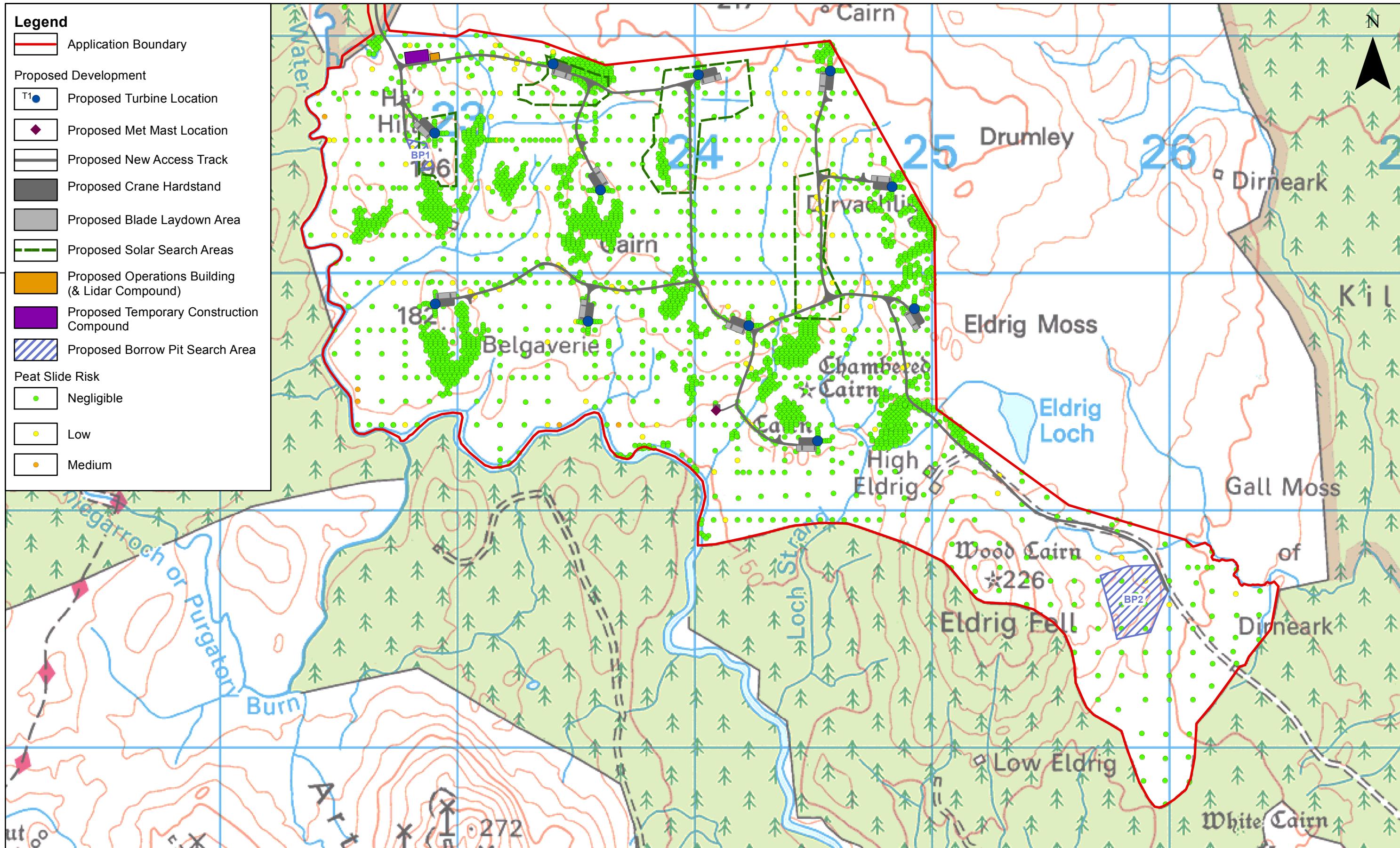
**Kilgallioch Windfarm Extension**  
EIA Report Technical Appendix 7.2  
Peat Depth Survey Results and Contour Plot

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**Annex 1 – Peat Survey Data, Hazard Scoring and Risk Ranking**

FID	ID	Easting	Northing	Peat Depth (cm)	Depth Score (1 to 5)	Slope (degrees)	Slope Score (1 to 5)	Peat Slide Hazard Score (1 to 5)	Exposure	Peat Slide Risk Rank (1 to 5)
323	1	225985	567759	300	5	1.03	1	1	1	1
324	2	225892	567857	300	5	0.50	1	1	1	1
325	3	225982	567858	300	5	0.17	1	1	1	1
326	4	226085	567854	300	5	1.10	1	1	1	1
327	5	225886	567957	300	5	0.09	1	1	1	1
328	6	225984	567951	300	5	0.31	1	1	1	1
329	7	226082	567957	300	5	0.32	1	1	1	1
330	8	225885	568058	300	5	0.44	1	1	1	1
331	9	225986	568054	300	5	0.28	1	1	1	1
332	10	226085	568056	300	5	1.74	1	1	1	1
333	11	225786	568158	2	1	7.75	4	1	1	1
334	12	226179	568257	137	3	1.36	1	1	1	1
335	13	226183	568351	53	2	1.34	1	1	1	1
336	14	226283	568352	64	2	1.29	1	1	1	1
337	15	226179	568455	124	3	1.39	1	1	1	1
338	16	226280	568462	132	3	1.67	1	1	1	1
339	17	226378	568453	69	2	0.47	1	1	2	2
340	18	226180	568552	300	5	0.89	1	1	1	1
341	19	226285	568555	41	1	3.72	2	1	1	1
342	20	226379	568557	52	2	0.16	1	1	2	2
343	21	225182	568657	23	1	10.19	4	1	1	1
344	22	225283	568660	3	1	5.86	3	1	1	1
345	23	226180	568657	279	5	1.08	1	1	1	1
346	24	226382	568658	30	1	1.03	1	1	2	2
347	25	225082	568757	28	1	8.08	4	1	1	1
348	26	225287	568758	5	1	14.44	4	1	1	1
349	27	226284	568748	32	1	4.34	3	1	2	2
350	29	225084	568855	38	1	6.07	4	1	1	1
351	30	225182	568854	52	2	7.03	4	3	1	3
352	31	225285	568859	10	1	7.13	4	1	1	1
353	32	225982	568856	23	1	3.86	2	1	2	2
354	33	226082	568851	70	2	3.02	2	2	2	4
355	34	224877	568978	0	1	9.15	4	1	1	1
356	35	225083	568957	27	1	7.82	4	1	1	1
357	37	224087	569057	5	1	2.03	2	1	3	3
358	38	224184	569049	47	1	2.11	2	1	1	1
359	39	224280	569057	148	3	1.50	1	1	1	1
360	40	224384	569059	200	4	1.33	1	1	2	2
0	41	224519	569241	45	1	0.77	1	1	2	2
361	41	224477	569063	212	5	1.43	1	1	2	2
1	42	224520	569250	43	1	0.98	1	1	2	2
362	42	224585	569070	44	1	2.52	2	1	2	2
2	43	224518	569291	32	1	0.66	1	1	2	2
363	43	224682	569061	86	2	3.89	2	2	2	4
364	44	224779	569054	0	1	2.24	2	1	1	1
3	44	224519	569271	46	1	0.98	1	1	2	2
365	45	224884	569050	0	1	8.47	4	1	1	1
4	45	224519	569281	85	2	0.66	1	1	2	2
366	46	224965	569064	0	1	6.73	4	1	1	1
5	46	224469	569291	28	1	0.65	1	1	2	2
367	47	225084	569036	0	1	8.81	4	1	1	1
6	47	224479	569291	52	2	0.65	1	1	2	2
7	48	224491	569289	28	1	0.62	1	1	2	2
368	48	225278	569070	53	2	4.14	3	2.5	2	5
369	49	225485	569054	300	5	1.49	1	1	2	1
8	49	224499	569292	17	1	0.65	1	1	2	2
9	50	224510	569290	34	1	0.66	1	1	2	2
370	50	224082	569160	70	2	2.95	2	2	3	6
10	51	224519	569291	72	2	0.66	1	1	2	2
371	51	224481	569156	203	5	1.54	1	1	2	2
11	52	224530	569291	65	2	0.66	1	1	2	2

372	52	224682	569161	34	1	4.91	3	1	2	2
373	53	224782	569158	0	1	3.02	2	1	1	1
12	53	224539	569291	63	2	0.66	1	1	2	2
374	54	224846	569161	35	1	3.65	2	1	1	1
13	54	224550	569291	65	2	0.61	1	1	2	2
14	55	224560	569292	52	2	0.10	1	1	2	2
375	55	225285	569145	51	2	6.93	4	3	2	6
15	56	224569	569292	44	1	0.27	1	1	2	2
16	57	224518	569302	75	2	0.66	1	1	2	2
376	57	224087	569249	88	2	2.34	2	2	2	4
377	58	224280	569255	230	5	1.09	1	1	1	1
17	58	224519	569311	75	2	0.65	1	1	2	2
18	59	224520	569321	58	2	0.07	1	1	2	2
378	59	224485	569261	63	2	0.53	1	1	2	2
379	60	224984	569263	23	1	1.48	1	1	1	1
19	60	224519	569332	54	2	0.47	1	1	2	2
20	61	224517	569342	57	2	1.59	1	1	2	2
380	61	223082	569358	24	1	1.91	1	1	3	3
381	62	223282	569358	38	1	1.15	1	1	3	3
21	62	224228	569727	68	2	2.20	2	2	2	4
382	63	224284	569359	219	5	0.75	1	1	2	2
22	63	224227	569737	75	2	2.19	2	2	2	4
383	64	224683	569356	55	2	1.93	1	1	2	2
23	64	223551	569744	29	1	2.26	2	1	2	2
384	65	222682	569458	27	1	2.14	2	1	1	1
24	65	224228	569748	5	1	6.47	4	1	2	2
385	66	222782	569458	30	1	3.41	2	1	1	1
25	66	223550	569755	42	1	0.99	1	1	2	2
26	67	223552	569764	42	1	0.99	1	1	2	2
386	67	222882	569458	26	1	4.51	3	1	3	3
27	68	224227	569767	16	1	8.36	4	1	2	2
387	68	223082	569458	70	2	2.65	2	2	2	4
28	69	223552	569775	41	1	1.29	1	1	2	2
388	70	223287	569455	147	3	1.22	1	1	1	1
29	70	224177	569777	25	1	7.53	4	1	2	2
30	71	224189	569778	22	1	7.50	4	1	2	2
31	72	224198	569778	20	1	7.53	4	1	2	2
389	72	224182	569458	69	2	3.01	2	2	2	4
390	73	222682	569558	83	2	0.49	1	1	1	1
32	73	224208	569778	20	1	7.62	4	1	2	2
391	74	223082	569558	38	1	2.61	2	1	2	2
33	74	224218	569775	25	1	8.34	4	1	2	2
34	75	224228	569776	15	1	8.26	4	1	2	2
392	75	222482	569658	33	1	1.42	1	1	3	3
393	76	222682	569658	38	1	0.63	1	1	1	1
35	76	224239	569777	12	1	8.37	4	1	2	2
36	77	224248	569777	21	1	8.27	4	1	2	2
37	78	224259	569777	5	1	8.18	4	1	2	2
394	78	222482	569758	6	1	1.82	1	1	3	3
38	79	224268	569777	19	1	7.62	4	1	2	2
395	80	223682	569758	49	1	3.01	2	1	2	2
39	80	224279	569777	21	1	6.03	4	1	2	2
40	81	223551	569784	34	1	2.69	2	1	2	2
41	82	224228	569786	16	1	7.10	4	1	2	2
42	83	223500	569794	62	2	4.57	3	2.5	2	5
43	84	223511	569794	19	1	4.59	3	1	2	2
396	84	222782	570058	52	2	3.11	2	2	2	4
397	85	223082	570058	31	1	0.65	1	1	2	2
44	85	223522	569791	40	1	4.83	3	1	2	2
398	86	223182	570058	24	1	1.25	1	1	2	2
45	86	223535	569792	37	1	3.14	2	1	2	2
399	87	223282	570058	27	1	1.94	1	1	1	1
46	87	223541	569794	27	1	2.45	2	1	2	2

400	88	223382	570058	27	1	1.20	1	1	2	2
47	88	223551	569795	29	1	2.70	2	1	2	2
401	89	224182	570058	300	5	0.97	1	1	1	1
48	89	223562	569794	27	1	2.70	2	1	2	2
402	90	224282	570058	300	5	0.95	1	1	2	2
49	90	223573	569795	31	1	2.71	2	1	2	2
403	91	224382	570058	221	5	1.46	1	1	1	1
50	91	223581	569794	27	1	2.70	2	1	2	2
51	92	223591	569794	18	1	2.71	2	1	2	2
404	92	224482	570058	39	1	2.75	2	1	2	2
52	93	223602	569794	22	1	3.66	2	1	2	2
405	93	222382	570158	24	1	1.78	1	1	3	3
53	94	224227	569795	30	1	6.29	4	1	2	2
406	94	222482	570258	43	1	2.57	2	1	3	3
407	95	222782	570258	70	2	2.37	2	2	1	2
54	95	224925	569798	24	1	3.37	2	1	2	2
408	96	224082	570258	300	5	0.83	1	1	1	1
55	96	223554	569803	30	1	2.70	2	1	2	2
409	97	224182	570258	286	5	0.55	1	1	1	1
56	97	224228	569806	38	1	5.21	3	1	2	2
410	98	224282	570258	233	5	0.93	1	1	2	2
57	98	224925	569808	22	1	3.36	2	1	2	2
411	99	224382	570258	46	1	3.15	2	1	1	1
58	99	223551	569815	33	1	2.69	2	1	2	2
59	100	224227	569816	47	1	4.37	3	1	2	2
412	100	224482	570258	61	2	3.75	2	2	2	4
413	101	222482	570458	35	1	2.77	2	1	3	3
414	102	222582	570458	20	1	2.16	2	1	1	1
60	102	222907	569819	29	1	3.93	2	1	2	2
415	103	222682	570458	49	1	1.16	1	1	1	1
61	103	223551	569824	26	1	2.76	2	1	2	2
62	104	224227	569828	46	1	1.92	1	1	2	2
416	104	222782	570458	154	4	2.80	2	3	2	6
63	105	224925	569828	27	1	3.37	2	1	2	2
417	105	222882	570458	80	2	9.76	4	3	2	6
418	106	224182	570458	138	3	1.21	1	1	1	1
64	106	222907	569829	31	1	3.78	2	1	2	2
419	107	224282	570458	277	5	1.78	1	1	1	1
65	107	223552	569835	32	1	3.57	2	1	2	2
66	108	224925	569839	18	1	3.37	2	1	2	2
420	108	224382	570458	218	5	3.81	2	3.5	2	7
421	109	224482	570458	85	2	1.77	1	1	2	2
67	109	222905	569838	23	1	4.10	3	1	2	2
68	110	223551	569844	23	1	4.21	3	1	2	2
422	110	224582	570458	58	2	4.67	3	2.5	1	2.5
423	111	224082	570658	32	1	0.92	1	1	1	1
69	111	224875	569849	40	1	1.11	1	1	2	2
424	112	224182	570658	38	1	1.98	1	1	1	1
70	112	224885	569851	30	1	1.48	1	1	2	2
71	113	224895	569851	22	1	3.34	2	1	2	2
425	113	224282	570658	259	5	2.07	2	3.5	1	3.5
426	114	224482	570658	196	4	1.48	1	1	2	2
72	114	224905	569850	21	1	3.36	2	1	2	2
427	115	224582	570658	135	3	1.56	1	1	1	1
73	115	224915	569848	19	1	3.37	2	1	2	2
74	116	224926	569849	22	1	3.37	2	1	2	2
75	117	224936	569849	18	1	3.11	2	1	2	2
76	118	224946	569851	12	1	3.26	2	1	2	2
77	119	224956	569848	16	1	3.77	2	1	2	2
78	120	224967	569847	20	1	2.78	2	1	2	2
79	121	224977	569847	20	1	2.70	2	1	2	2
80	122	222905	569848	29	1	4.67	3	1	2	2
81	123	224927	569860	25	1	2.62	2	1	2	2

82	124	222907	569857	20	1	4.69	3	1	2	2
83	125	224926	569870	15	1	2.57	2	1	2	2
84	126	222858	569869	5	1	8.59	4	1	2	2
85	127	222868	569870	5	1	9.02	4	1	2	2
86	128	222878	569869	10	1	5.92	3	1	2	2
87	129	222887	569863	49	1	5.18	3	1	2	2
88	130	222897	569868	22	1	4.71	3	1	2	2
89	131	222907	569867	36	1	4.71	3	1	2	2
90	132	222919	569868	37	1	4.63	3	1	2	2
91	133	222929	569866	30	1	2.70	2	1	2	2
92	134	222938	569867	46	1	4.27	3	1	2	2
93	135	222949	569871	31	1	4.51	3	1	2	2
94	136	222959	569869	27	1	4.47	3	1	2	2
95	137	224926	569879	22	1	4.05	3	1	2	2
96	138	222907	569877	28	1	4.71	3	1	2	2
97	139	224927	569889	18	1	4.42	3	1	2	2
98	140	222910	569884	22	1	4.29	3	1	2	2
99	141	224929	569899	18	1	5.36	3	1	2	2
100	142	222909	569897	24	1	4.25	3	1	2	2
101	143	222908	569908	30	1	2.51	2	1	2	2
102	144	222907	569919	31	1	2.68	2	1	2	2
103	145	223600	570298	37	1	2.98	2	1	2	2
104	146	223604	570308	31	1	1.98	1	1	2	2
105	147	224831	570309	27	1	2.70	2	1	2	2
106	148	223605	570317	32	1	2.35	2	1	2	2
107	149	224830	570321	15	1	2.78	2	1	2	2
108	150	223603	570329	26	1	2.12	2	1	2	2
109	151	224830	570331	25	1	2.80	2	1	2	2
110	152	223602	570338	31	1	2.17	2	1	2	2
111	153	224831	570341	53	2	2.80	2	2	2	4
112	154	223553	570347	45	1	3.87	2	1	2	2
113	155	223562	570348	48	1	2.38	2	1	2	2
114	156	223573	570348	52	2	3.48	2	2	2	4
115	157	223582	570346	14	1	1.94	1	1	2	2
116	158	223592	570345	39	1	2.13	2	1	2	2
117	159	223603	570348	28	1	2.16	2	1	2	2
118	160	223614	570350	33	1	3.23	2	1	2	2
119	161	223625	570349	23	1	3.44	2	1	2	2
120	162	223634	570346	32	1	3.46	2	1	2	2
121	163	223644	570346	15	1	3.42	2	1	2	2
122	164	223654	570345	5	1	5.48	3	1	2	2
123	165	223603	570359	27	1	2.30	2	1	2	2
124	166	224791	570360	33	1	5.24	3	1	2	2
125	167	224800	570360	37	1	4.94	3	1	2	2
126	168	224810	570360	24	1	4.15	3	1	2	2
127	169	224820	570360	19	1	3.30	2	1	2	2
128	170	224832	570360	45	1	2.81	2	1	2	2
129	171	224840	570364	28	1	2.85	2	1	2	2
130	172	224852	570362	50	2	2.80	2	2	2	4
131	173	224862	570362	40	1	2.80	2	1	2	2
132	174	224872	570362	60	2	2.90	2	2	2	4
133	175	223603	570370	26	1	2.56	2	1	2	2
134	176	224832	570372	28	1	4.84	3	1	2	2
135	177	223602	570380	33	1	2.83	2	1	2	2
136	178	224834	570383	32	1	5.27	3	1	2	2
137	179	223602	570389	31	1	3.34	2	1	2	2
138	180	224836	570393	25	1	5.23	3	1	2	2
139	181	223603	570399	28	1	3.34	2	1	2	2
140	182	224835	570401	28	1	3.64	2	1	2	2
141	183	224834	570411	40	1	3.48	2	1	2	2
142	184	222906	570535	28	1	4.98	3	1	2	2
143	185	222905	570547	27	1	3.74	2	1	2	2
144	186	222905	570557	34	1	4.16	3	1	2	2

145	187	222905	570567	36	1	5.22	3	1	2	2
146	188	222905	570578	29	1	5.26	3	1	2	2
147	189	222854	570587	25	1	5.55	3	1	2	2
148	190	222864	570588	34	1	5.80	3	1	2	2
149	191	222873	570588	10	1	6.30	4	1	2	2
150	192	222884	570588	26	1	6.26	4	1	2	2
151	193	222895	570588	19	1	5.34	3	1	2	2
152	194	222904	570588	31	1	5.30	3	1	2	2
153	195	222914	570591	39	1	5.05	3	1	2	2
154	196	222925	570587	35	1	3.98	2	1	2	2
155	197	222935	570587	28	1	3.45	2	1	2	2
156	198	222944	570588	37	1	3.01	2	1	2	2
157	199	222955	570589	40	1	4.21	3	1	2	2
158	200	222905	570598	32	1	5.33	3	1	2	2
159	201	222903	570609	26	1	5.31	3	1	2	2
160	202	222903	570618	21	1	5.69	3	1	2	2
161	203	222903	570628	26	1	6.25	4	1	2	2
162	204	222904	570639	21	1	6.29	4	1	2	2
163	205	224014	570781	83	2	1.94	1	1	2	2
164	206	224010	570793	98	2	1.70	1	1	2	2
165	207	224567	570800	113	3	2.24	2	2.5	2	5
166	208	224013	570802	108	3	1.68	1	1	2	2
167	209	224568	570810	32	1	2.24	2	1	2	2
168	210	224013	570812	111	3	1.67	1	1	2	2
169	211	224568	570819	60	2	2.24	2	2	2	4
170	212	224014	570822	86	2	1.67	1	1	2	2
171	213	223410	570828	80	2	1.49	1	1	2	2
172	214	224569	570828	42	1	2.42	2	1	2	2
173	215	223965	570832	54	2	1.85	1	1	2	2
174	216	223974	570832	27	1	1.85	1	1	2	2
175	217	223984	570832	36	1	1.64	1	1	2	2
176	218	223994	570833	44	1	1.67	1	1	2	2
177	219	224004	570831	55	2	1.67	1	1	2	2
178	220	224014	570833	72	2	1.91	1	1	2	2
179	221	224025	570835	54	2	2.53	2	2	2	4
180	222	224036	570834	41	1	2.55	2	1	2	2
181	223	224046	570835	45	1	2.58	2	1	2	2
182	224	224056	570833	34	1	2.57	2	1	2	2
183	225	224068	570829	37	1	2.61	2	1	2	2
184	226	223409	570838	57	2	1.44	1	1	2	2
185	227	224568	570840	70	2	2.48	2	2	2	4
186	228	224014	570844	34	1	2.53	2	1	2	2
187	229	223410	570848	87	2	1.44	1	1	2	2
188	230	224521	570850	80	2	2.42	2	2	2	4
189	231	224531	570851	63	2	2.42	2	2	2	4
190	232	224552	570851	27	1	2.48	2	1	2	2
191	233	224562	570850	28	1	2.42	2	1	2	2
192	234	224572	570852	25	1	2.42	2	1	2	2
193	235	224583	570850	25	1	2.46	2	1	2	2
194	236	224592	570852	28	1	2.43	2	1	2	2
195	237	224602	570853	36	1	2.16	2	1	2	2
196	238	224613	570852	67	2	1.98	1	1	2	2
197	239	224623	570852	57	2	2.92	2	2	2	4
198	240	224014	570853	31	1	2.55	2	1	2	2
199	241	223409	570860	113	3	1.44	1	1	2	2
200	242	224570	570861	5	1	2.47	2	1	2	2
201	243	224014	570860	35	1	2.55	2	1	2	2
202	244	223406	570869	149	3	1.44	1	1	2	2
203	245	224570	570871	5	1	2.42	2	1	2	2
204	246	224013	570873	40	1	2.55	2	1	2	2
205	247	223345	570880	177	4	0.99	1	1	2	2
206	248	223360	570879	232	5	0.99	1	1	2	2
207	249	223371	570878	80	2	0.96	1	1	2	2

208	251	223387	570880	195	4	1.44	1	1	2	2
209	252	223402	570882	156	4	1.44	1	1	2	2
210	253	223416	570886	165	4	1.50	1	1	2	2
211	254	223424	570885	142	3	1.48	1	1	2	2
212	255	223434	570880	36	1	1.50	1	1	2	2
213	256	224571	570881	20	1	2.26	2	1	2	2
214	257	224014	570883	52	2	2.74	2	2	2	4
215	258	223400	570891	157	4	1.44	1	1	2	2
216	259	224570	570891	17	1	2.07	2	1	2	2
217	260	223399	570901	166	4	1.54	1	1	2	2
218	261	224571	570901	14	1	2.05	2	1	2	2
219	262	223399	570911	48	1	2.11	2	1	2	2
220	263	223405	570922	43	1	3.91	2	1	2	2
221	264	223403	570931	53	2	4.07	3	2.5	2	5
222	380	222949	569888	30	1	4.86	3	1	2	2
223	382	222865	570610	25	1	5.05	3	1	2	2
224	383	224555	570807	90	2	2.25	2	2	2	4
225	385	224438	569305	95	2	0.61	1	1	2	2
226	386	224427	569247	30	1	1.08	1	1	2	2
227	387	224160	569819	31	1	5.46	3	1	2	2
228	388	224127	569770	43	1	3.10	2	1	2	2
229	390	224882	569828	56	2	1.11	1	1	2	2
230	391	223575	569869	30	1	6.20	4	1	2	2
231	393	223591	570453	57	2	2.80	2	2	2	4
232	394	223551	570410	33	1	0.81	1	1	2	2
233	395	222813	570622	40	1	5.91	3	1	2	2
234	406	225860	568643	60	2	1.72	1	1	2	2
235	413	222845	570431	10	1	9.62	4	1	2	2
236	414	222827	570481	50	2	7.68	4	3	2	6
237	415	222873	570497	28	1	9.98	4	1	2	2
238	416	222811	570526	68	2	7.49	4	3	2	6
239	417	222859	570545	22	1	8.02	4	1	2	2
240	419	226270	568402	40	1	2.80	2	1	1	1
241	421	222803	570913	49	1	2.93	2	1	2	2
242	422	222849	570921	51	2	2.73	2	2	2	4
243	501	224888	569605	0	1	4.01	3	1	2	2
244	502	223511	570572	22	1	1.94	1	1	2	2
245	503	222781	570586	25	1	6.13	4	1	2	2
246	504	224881	569701	25	1	1.85	1	1	2	2
247	505	223513	570666	29	1	2.11	2	1	2	2
248	506	223531	570524	30	1	2.94	2	1	2	2
249	507	222811	570663	32	1	5.20	3	1	2	2
250	508	223301	570888	39	1	4.43	3	1	2	2
251	509	223521	570715	40	1	0.35	1	1	2	2
252	510	222785	570706	44	1	3.24	2	1	2	2
253	511	222902	570893	47	1	3.88	2	1	2	2
254	512	224662	569908	48	1	2.82	2	1	2	2
255	513	223502	570618	50	2	2.45	2	2	2	4
256	514	222805	570878	58	2	1.12	1	1	2	2
257	515	224762	569912	63	2	2.11	2	2	2	4
258	516	224905	569655	76	2	2.38	2	2	2	4
259	517	222765	570804	86	2	2.11	2	2	2	4
260	518	224858	569885	92	2	1.17	1	1	2	2
261	519	225026	569364	100	2	3.16	2	2	2	4
262	520	223251	570893	102	3	2.83	2	2.5	2	5
263	521	224852	569801	115	3	1.81	1	1	2	2
264	522	222856	570884	118	3	0.85	1	1	2	2
265	523	223153	570916	127	3	2.45	2	2.5	2	5
266	524	223051	570914	147	3	0.19	1	1	2	2
267	525	223203	570905	168	4	2.43	2	3	2	6
268	526	223003	570907	182	4	0.20	1	1	2	2
269	527	223101	570914	211	5	1.75	1	1	2	2
270	528	224878	569600	63	2	4.31	3	2.5	2	5

271	529	223522	570575	29	1	0.60	1	1	2	2
272	530	222796	570578	30	1	6.55	4	1	2	2
273	531	224870	569701	20	1	1.83	1	1	2	2
274	532	223503	570665	23	1	2.70	2	1	2	2
275	533	223519	570522	23	1	4.75	3	1	2	2
276	534	222803	570664	34	1	5.93	3	1	2	2
277	535	223301	570881	22	1	3.61	2	1	2	2
278	536	223532	570714	55	2	1.45	1	1	2	2
279	537	222794	570705	37	1	5.31	3	1	2	2
280	538	222903	570885	68	2	2.10	2	2	2	4
281	539	224662	569919	85	2	2.22	2	2	2	4
282	540	223493	570614	0	1	2.92	2	1	2	2
283	541	222803	570866	87	2	1.12	1	1	2	2
284	542	224760	569902	105	3	2.11	2	2.5	2	5
285	543	224886	569661	45	1	3.43	2	1	2	2
286	544	222775	570803	51	2	2.20	2	2	2	4
287	545	224857	569880	105	3	1.18	1	1	2	2
288	546	225017	569355	44	1	3.16	2	1	2	2
289	547	223251	570883	115	3	2.51	2	2.5	2	5
290	548	224841	569801	85	2	1.79	1	1	2	2
291	549	222860	570872	117	3	0.63	1	1	2	2
292	550	223151	570906	127	3	2.43	2	2.5	2	5
293	551	223058	570906	175	4	0.42	1	1	2	2
294	552	223203	570905	198	4	2.43	2	3	2	6
295	553	223005	570895	130	3	0.40	1	1	2	2
296	554	223101	570903	230	5	1.66	1	1	2	2
297	555	224894	569609	285	5	2.67	2	3.5	2	7
298	556	223501	570573	13	1	2.75	2	1	2	2
299	557	224860	569704	57	2	1.83	1	1	2	2
300	558	223523	570666	29	1	1.55	1	1	2	2
301	559	223510	570517	55	2	5.82	3	2.5	2	5
302	560	222821	570659	43	1	4.64	3	1	2	2
303	561	223302	570897	56	2	4.92	3	2.5	2	5
304	562	223542	570711	61	2	1.73	1	1	2	2
305	563	222776	570707	135	3	1.91	1	1	2	2
306	564	222903	570906	10	1	4.17	3	1	2	2
307	565	224662	569903	33	1	3.31	2	1	2	2
308	566	223512	570615	70	2	2.49	2	2	2	4
309	567	222857	570888	65	2	0.86	1	1	2	2
310	568	224758	569893	95	2	2.10	2	2	2	4
311	569	224870	569663	65	2	3.40	2	2	2	4
312	570	222754	570803	80	2	2.31	2	2	2	4
313	571	224859	569891	54	2	1.15	1	1	2	2
314	572	225032	569370	100	2	3.13	2	2	2	4
315	573	223251	570903	100	2	2.83	2	2	2	4
316	574	224833	569802	155	4	1.81	1	1	2	2
317	575	222857	570895	86	2	0.88	1	1	2	2
318	576	223151	570927	32	1	2.45	2	1	2	2
319	577	223043	570923	121	3	0.19	1	1	2	2
320	578	223208	570915	180	4	2.43	2	3	2	6
321	579	223002	570918	210	5	0.18	1	1	2	2
322	580	223101	570929	98	2	1.76	1	1	2	2
2855	901	223977	570754	80	2	1.92	1	1	2	2
2856	902	223979	570720	30	1	1.86	1	1	2	2
2857	903	223980	570672	60	2	2.90	2	2	2	4
2858	904	223980	570636	45	1	2.90	2	1	2	2
2859	905	223980	570528	36	1	3.93	2	1	2	2
2860	906	223980	570413	25	1	4.57	3	1	2	2
2861	907	223990	570297	300	5	1.15	1	1	2	2
2862	908	223984	570248	300	5	1.23	1	1	2	2
2863	909	223990	570190	300	5	1.24	1	1	2	2
2864	910	223989	570100	200	4	1.38	1	1	2	2
2865	911	223990	570046	25	1	1.30	1	1	2	2

2866	912	223997	569993	30	1	3.73	2	1	2	2
2867	913	224035	569905	17	1	5.27	3	1	2	2
2868	914	224093	569826	29	1	5.54	3	1	2	2
2869	915	224133	569800	30	1	7.58	4	1	2	2
2870	916	223757	569928	45	1	2.71	2	1	2	2
2871	917	223707	569926	70	2	2.96	2	2	2	4
2872	918	223661	569931	40	1	3.85	2	1	2	2
2873	919	223612	569938	36	1	1.86	1	1	2	2
2874	920	223436	570023	80	2	2.89	2	2	2	4
2875	921	223346	570033	300	5	1.71	1	1	2	2
2876	922	223295	570001	300	5	0.41	1	1	2	2
2877	923	223255	569977	134	3	0.49	1	1	2	2
2878	924	223167	569939	144	3	0.66	1	1	2	2
2879	925	223114	569918	147	3	0.43	1	1	2	2
2880	926	223064	569910	300	5	2.43	2	3.5	2	7
2881	927	224246	569706	92	2	3.78	2	2	2	4
2882	928	224227	569607	44	1	4.74	3	1	2	2
2883	929	224190	569423	174	4	1.46	1	1	2	2
2884	930	224215	569382	72	2	4.00	2	2	2	4
2885	931	224249	569348	30	1	1.97	1	1	2	2
2886	932	224288	569310	160	4	0.95	1	1	2	2
2887	933	224332	569289	199	4	0.97	1	1	2	2
2888	934	224335	569797	24	1	4.64	3	1	2	2
2889	935	224377	569812	50	2	3.50	2	2	2	4
2890	936	224428	569826	45	1	4.85	3	1	2	2
2891	937	224612	569907	30	1	2.74	2	1	2	2
2892	938	224563	569882	120	3	2.71	2	2.5	2	5
2893	939	224537	570010	30	1	7.59	4	1	2	2
2894	940	224532	570063	20	1	6.46	4	1	2	2
2895	941	224536	570107	18	1	8.73	4	1	2	2
2896	942	224534	570216	62	2	8.39	4	3	2	6
2897	943	224530	570260	30	1	6.40	4	1	2	2
2898	944	224523	570310	65	2	5.43	3	2.5	2	5
2899	945	224536	570402	60	2	5.24	3	2.5	2	5
2900	946	224595	570403	70	2	2.60	2	2	2	4
2901	947	224643	570396	50	2	2.38	2	2	2	4
2902	948	224696	570389	77	2	2.78	2	2	2	4
2903	949	224511	570508	40	1	3.18	2	1	2	2
2904	950	224507	570610	30	1	1.48	1	1	2	2
2905	951	224527	570663	95	2	2.01	2	2	2	4
2906	952	224540	570702	300	5	1.56	1	1	2	2
2907	953	223967	570764	92	2	1.94	1	1	2	2
2908	954	223969	570730	30	1	3.59	2	1	2	2
2909	955	223970	570682	50	2	0.65	1	1	2	2
2910	956	223970	570646	54	2	2.90	2	2	2	4
2911	957	223970	570538	35	1	3.93	2	1	2	2
2912	958	223970	570423	33	1	4.56	3	1	2	2
2913	959	223980	570307	300	5	1.16	1	1	2	2
2914	960	223974	570258	300	5	1.26	1	1	2	2
2915	961	223980	570200	170	4	1.22	1	1	2	2
2916	962	223979	570110	248	5	1.35	1	1	2	2
2917	963	223980	570056	40	1	1.30	1	1	2	2
2918	964	223987	570003	30	1	3.86	2	1	2	2
2919	965	224025	569915	39	1	5.21	3	1	2	2
2920	966	224083	569836	35	1	5.59	3	1	2	2
2921	967	224123	569810	19	1	6.42	4	1	2	2
2922	968	223747	569938	34	1	2.73	2	1	2	2
428	969	223179	569459	38	1	4.29	3	1	1	1
2923	969	223697	569936	101	3	3.85	2	2.5	2	5
2924	970	223651	569941	230	5	2.27	2	3.5	2	7
429	971	223381	569457	128	3	0.90	1	1	2	2
2925	971	223602	569948	31	1	2.06	2	1	2	2
2926	972	223426	570033	300	5	2.12	2	3.5	2	7

2927	973	223336	570043	300	5	1.36	1	1	2	2
2928	974	223285	570011	300	5	0.43	1	1	2	2
2929	975	223245	569987	115	3	0.53	1	1	2	2
2930	976	223157	569949	110	3	0.95	1	1	2	2
2931	977	223104	569928	300	5	0.54	1	1	2	2
430	977	223281	569655	161	4	2.83	2	3	1	3
2932	978	223054	569920	300	5	2.51	2	3.5	2	7
431	979	223289	569762	227	5	0.65	1	1	2	2
2933	979	224236	569716	79	2	3.51	2	2	2	4
2934	980	224217	569617	69	2	5.28	3	2.5	2	5
432	981	223184	569858	97	2	0.62	1	1	1	1
2935	981	224180	569433	153	4	1.89	1	1	2	2
433	982	223284	569857	133	3	0.75	1	1	1	1
2936	982	224205	569392	55	2	1.70	1	1	2	2
434	983	223384	569857	300	5	1.24	1	1	1	1
2937	983	224239	569358	130	3	4.09	3	3	2	6
2938	984	224278	569320	240	5	0.95	1	1	2	2
2939	985	224322	569299	165	4	0.95	1	1	2	2
2940	986	224325	569807	50	2	4.64	3	2.5	2	5
2941	987	224367	569822	50	2	3.48	2	2	2	4
2942	988	224418	569836	30	1	1.98	1	1	2	2
2943	989	224602	569917	25	1	2.75	2	1	2	2
2944	990	224553	569892	105	3	4.13	3	3	2	6
2945	991	224527	570020	48	1	7.16	4	1	2	2
2946	992	224522	570073	40	1	7.11	4	1	2	2
2947	993	224526	570117	26	1	7.01	4	1	2	2
2948	994	224524	570226	40	1	6.69	4	1	2	2
2949	995	224520	570270	55	2	5.31	3	2.5	2	5
2950	996	224513	570320	70	2	4.62	3	2.5	2	5
2951	997	224526	570412	52	2	3.51	2	2	2	4
2952	998	224585	570413	60	2	4.53	3	2.5	2	5
2953	999	224633	570406	65	2	2.42	2	2	2	4
2954	1000	224686	570399	30	1	2.78	2	1	2	2
2955	1001	224501	570518	45	1	2.51	2	1	2	2
2956	1002	224497	570620	300	5	1.47	1	1	2	2
2957	1003	224517	570673	110	3	2.20	2	2.5	2	5
2958	1004	224530	570712	300	5	1.54	1	1	2	2
2959	1005	223987	570744	85	2	1.91	1	1	2	2
2960	1006	223989	570710	25	1	1.79	1	1	2	2
2961	1007	223990	570662	90	2	2.86	2	2	2	4
2962	1008	223990	570626	55	2	2.91	2	2	2	4
2963	1009	223990	570518	35	1	3.94	2	1	2	2
2964	1010	223990	570403	30	1	2.06	2	1	2	2
2965	1011	224000	570287	300	5	1.13	1	1	2	2
2966	1012	223994	570238	300	5	1.23	1	1	2	2
2967	1013	224000	570180	300	5	1.33	1	1	2	2
2968	1014	223999	570090	185	4	0.41	1	1	2	2
2969	1015	224000	570036	41	1	2.17	2	1	2	2
2970	1016	224007	569983	29	1	3.65	2	1	2	2
2971	1017	224045	569895	60	2	5.52	3	2.5	2	5
2972	1018	224103	569816	22	1	5.20	3	1	2	2
2973	1019	224143	569790	26	1	7.78	4	1	2	2
2974	1020	223767	569918	49	1	2.73	2	1	2	2
2975	1021	223717	569916	110	3	1.80	1	1	2	2
2976	1022	223671	569921	212	5	3.85	2	3.5	2	7
2977	1023	223622	569928	43	1	3.38	2	1	2	2
2978	1024	223446	570013	300	5	2.79	2	3.5	2	7
2979	1025	223356	570023	300	5	1.61	1	1	2	2
2980	1026	223305	569991	300	5	0.41	1	1	2	2
2981	1027	223265	569967	101	3	1.17	1	1	2	2
2982	1028	223177	569929	149	3	2.38	2	2.5	2	5
2983	1029	223124	569908	300	5	0.56	1	1	2	2
2984	1030	223074	569900	300	5	2.25	2	3.5	2	7

2985	1031	224256	569696	107	3	3.73	2	2.5	2	5
2986	1032	224237	569597	51	2	4.53	3	2.5	2	5
2987	1033	224200	569413	131	3	1.46	1	1	2	2
2988	1034	224225	569372	110	3	3.82	2	2.5	2	5
2989	1035	224259	569338	180	4	0.85	1	1	2	2
2990	1036	224298	569300	140	3	0.99	1	1	2	2
2991	1037	224342	569279	300	5	1.36	1	1	2	2
2992	1038	224345	569787	25	1	3.34	2	1	2	2
2993	1039	224387	569802	54	2	2.93	2	2	2	4
2994	1040	224438	569816	15	1	4.29	3	1	2	2
2995	1041	224622	569897	25	1	3.03	2	1	2	2
2996	1042	224573	569872	100	2	3.32	2	2	2	4
2997	1043	224547	570000	31	1	7.60	4	1	2	2
2998	1044	224542	570053	22	1	6.40	4	1	2	2
2999	1045	224546	570097	25	1	6.56	4	1	2	2
3000	1046	224544	570206	41	1	8.40	4	1	2	2
3001	1047	224540	570250	57	2	8.44	4	3	2	6
3002	1048	224533	570300	66	2	5.38	3	2.5	2	5
3003	1049	224546	570392	50	2	5.38	3	2.5	2	5
3004	1050	224605	570393	82	2	1.74	1	1	2	2
3005	1051	224653	570386	36	1	2.37	2	1	2	2
3006	1052	224706	570379	52	2	2.85	2	2	2	4
3007	1053	224521	570498	45	1	3.07	2	1	2	2
3008	1054	224517	570600	200	4	1.58	1	1	2	2
3009	1055	224537	570653	62	2	1.57	1	1	2	2
3010	1056	224550	570692	300	5	1.57	1	1	2	2
435	102926	222520	571493	300	5	1.14	1	1	1	1
436	102927	222524	571120	140	3	1.09	1	1	3	3
437	102928	222531	571141	375	5	1.10	1	1	3	3
438	102929	222557	571493	40	1	1.97	1	1	1	1
439	102930	222575	571205	60	2	1.71	1	1	1	1
440	102931	222639	571298	10	1	4.13	3	1	2	2
441	102932	222654	571500	190	4	2.85	2	3	2	6
442	102933	222673	571367	30	1	4.11	3	1	2	2
443	102934	222706	571466	40	1	8.39	4	1	1	1
444	102935	222708	571388	30	1	2.53	2	1	1	1
445	102936	222731	571422	30	1	4.25	3	1	1	1
446	102937	222732	571305	30	1	1.47	1	1	1	1
447	102938	222754	571525	40	1	2.06	2	1	1	1
448	102939	222756	571538	40	1	2.11	2	1	1	1
449	102941	222791	571620	30	1	4.76	3	1	1	1
450	102942	222821	571683	10	1	3.32	2	1	1	1
451	102979	225400	568600	40	1	4.58	3	1	1	1
452	102980	225400	568700	20	1	2.36	2	1	1	1
453	102981	225400	568800	10	1	2.61	2	1	2	2
454	102986	225500	568600	20	1	4.20	3	1	1	1
455	102987	225500	568700	100	2	9.02	4	3	1	3
456	102988	225500	568800	180	4	2.84	2	3	1	3
457	102990	225600	568400	20	1	3.68	2	1	1	1
458	102991	225600	568500	0	1	5.45	3	1	1	1
459	102992	225600	568600	0	1	10.17	4	1	1	1
460	102993	225600	568700	30	1	7.21	4	1	1	1
461	102994	225600	568800	30	1	7.12	4	1	1	1
462	102995	225700	568200	10	1	8.39	4	1	1	1
463	102996	225700	568300	10	1	4.43	3	1	1	1
464	102997	225700	568400	10	1	5.31	3	1	1	1
465	102998	225700	568500	20	1	5.06	3	1	1	1
466	102999	225700	568600	30	1	1.68	1	1	2	2
467	103000	225700	568700	40	1	3.68	2	1	2	2
468	103001	225700	568800	140	3	9.31	4	3.5	2	7
469	103002	225800	568300	30	1	0.83	1	1	1	1
470	103003	225800	568400	20	1	2.43	2	1	1	1
471	103004	225800	568500	20	1	13.82	4	1	2	2

472	103005	225800	568600	30	1	6.40	4		1	2	2
473	103006	225800	568700	22	1	7.61	4		1	2	2
474	103007	225800	568800	165	4	6.05	4		4	2	8
475	103008	225900	568200	15	1	0.57	1		1	1	1
476	103009	225900	568300	5	1	3.56	2		1	1	1
477	103010	225900	568400	5	1	4.01	3		1	1	1
478	103011	225900	568500	10	1	13.05	4		1	2	2
479	103012	225900	568600	10	1	4.15	3		1	2	2
480	103013	225900	568700	50	2	6.53	4		3	2	6
481	103014	225900	568800	20	1	5.06	3		1	2	2
482	103015	226000	568200	320	5	0.55	1		1	1	1
483	103016	226000	568300	180	4	1.63	1		1	1	1
484	103017	226000	568400	120	3	1.88	1		1	1	1
485	103018	226000	568500	290	5	2.24	2		3.5	1	3.5
486	103019	226000	568600	125	3	2.39	2		2.5	2	5
487	103020	226000	568700	85	2	3.70	2		2	2	4
488	103021	226100	568200	350	5	2.19	2		3.5	1	3.5
489	103022	226100	568300	280	5	1.34	1		1	1	1
490	103023	226100	568400	180	4	1.04	1		1	1	1
491	103024	226100	568500	190	4	0.89	1		1	1	1
492	103025	226100	568600	135	3	0.75	1		1	1	1
493	103031	222775	571338	30	1	0.97	1		1	1	1
494	103036	226114	568692	40	1	1.03	1		1	1	1
495	103041	225180	568758	0	1	10.28	4		1	1	1
496	103042	226180	568758	0	1	3.34	2		1	2	2
497	103043	226180	568825	40	1	3.92	2		1	2	2
498	103045	226160	568758	10	1	6.24	4		1	2	2
499	103046	226120	568758	30	1	1.60	1		1	1	1
500	103047	226080	568758	240	5	1.46	1		1	1	1
501	103054	224180	568958	420	5	1.15	1		1	2	2
502	103055	224130	568958	280	5	2.13	2		3.5	2	7
503	103056	224080	568958	30	1	1.77	1		1	3	3
504	103057	224030	568958	10	1	1.49	1		1	3	3
505	103058	224380	568958	290	5	0.80	1		1	2	2
506	103059	224330	568958	320	5	0.81	1		1	1	1
507	103060	224280	568958	350	5	0.96	1		1	1	1
508	103061	224230	568958	380	5	1.06	1		1	2	2
509	103062	224580	568958	40	1	0.54	1		1	2	2
510	103063	224530	568958	40	1	1.43	1		1	2	2
511	103064	224480	568958	90	2	1.43	1		1	2	2
512	103065	224430	568958	130	3	1.42	1		1	2	2
513	103066	224780	568958	0	1	5.65	3		1	1	1
514	103067	224730	568958	0	1	0.94	1		1	1	1
515	103068	224680	568958	10	1	5.65	3		1	1	1
516	103069	224630	568958	50	2	2.98	2		2	2	4
517	103070	224980	568958	0	1	7.77	4		1	1	1
518	103071	225180	568958	0	1	9.05	4		1	1	1
519	103072	225180	569058	0	1	5.95	3		1	1	1
520	103073	225380	568958	20	1	4.53	3		1	1	1
521	103074	225580	568958	100	2	2.82	2		2	2	4
522	103075	225780	568958	100	2	4.63	3		2.5	1	2.5
523	103076	225780	568908	10	1	3.63	2		1	2	2
524	103089	223180	569183	0	1	5.47	3		1	3	3
525	103090	223220	569198	0	1	5.21	3		1	3	3
526	103091	223261	569239	0	1	1.66	1		1	3	3
527	103095	223980	569208	15	1	5.94	3		1	3	3
528	103098	224180	569158	160	4	1.18	1		1	2	2
529	103099	224205	569158	10	1	3.48	2		1	2	2
530	103100	224230	569158	85	2	2.87	2		2	2	4
531	103101	224280	569158	160	4	2.11	2		3	1	3
532	103102	224330	569158	220	5	1.29	1		1	1	1
533	103103	224380	569158	280	5	1.47	1		1	2	2
534	103104	224380	569208	220	5	1.29	1		1	2	2

535	103105	224380	569258	130	3	1.11	1	1	2	2
536	103106	224380	569308	20	1	1.80	1	1	2	2
537	103107	224580	569158	15	1	1.34	1	1	2	2
538	103108	224620	569198	5	1	1.36	1	1	2	2
539	103109	224661	569239	10	1	2.46	2	1	2	2
540	103110	224701	569279	15	1	2.50	2	1	2	2
541	103111	224741	569319	10	1	4.25	3	1	2	2
542	103112	224761	569339	60	2	6.00	4	3	2	6
543	103113	224980	569158	0	1	5.90	3	1	1	1
544	103114	224980	569158	0	1	5.90	3	1	1	1
545	103115	225015	569193	0	1	9.10	4	1	1	1
546	103116	225051	569229	0	1	11.86	4	1	1	1
547	103117	225086	569264	0	1	8.53	4	1	2	2
548	103118	225106	569284	30	1	3.26	2	1	2	2
549	103119	225180	569158	0	1	4.45	3	1	2	2
550	103120	225080	569158	0	1	2.33	2	1	1	1
551	103121	225380	569158	30	1	1.48	1	1	2	2
552	103122	225380	569121	80	2	2.78	2	2	2	4
553	103123	225380	569024	80	2	2.22	2	2	2	4
554	103141	222580	569358	40	1	1.33	1	1	3	3
555	103142	222680	569358	10	1	4.38	3	1	3	3
556	103143	222730	569358	10	1	2.07	2	1	3	3
557	103144	222780	569358	160	4	2.02	2	3	3	9
558	103145	222730	569358	30	1	2.07	2	1	3	3
559	103146	222680	569358	0	1	4.38	3	1	3	3
560	103147	222630	569358	0	1	1.33	1	1	3	3
561	103151	222830	569358	20	1	4.94	3	1	3	3
562	103152	223180	569358	245	5	1.15	1	1	1	1
563	103153	223180	569358	250	5	1.15	1	1	1	1
564	103154	223180	569258	260	5	0.92	1	1	3	3
565	103155	223180	569208	260	5	0.93	1	1	3	3
566	103156	223380	569358	200	4	2.66	2	3	3	9
567	103157	223430	569358	240	5	2.24	2	3.5	3	10.5
568	103160	223580	569433	20	1	2.13	2	1	3	3
569	103161	223630	569358	0	1	2.63	2	1	3	3
570	103162	223680	569358	220	5	3.58	2	3.5	3	10.5
571	103163	223730	569358	250	5	1.50	1	1	3	3
572	103164	223780	569358	280	5	2.69	2	3.5	1	3.5
573	103165	223780	569308	180	4	3.11	2	3	3	9
574	103166	223780	569258	0	1	8.47	4	1	3	3
575	103167	223980	569358	0	1	3.87	2	1	1	1
576	103168	224030	569358	80	2	1.31	1	1	1	1
577	103169	224080	569358	20	1	1.86	1	1	1	1
578	103170	224130	569358	45	1	2.21	2	1	2	2
579	103171	224180	569358	30	1	4.00	2	1	2	2
580	103172	224180	569308	0	1	3.11	2	1	2	2
581	103173	224180	569258	190	4	2.23	2	3	1	3
582	103174	224180	569208	220	5	3.54	2	3.5	2	7
583	103175	224380	569358	10	1	2.51	2	1	2	2
584	103176	224430	569358	0	1	1.78	1	1	2	2
585	103177	224480	569358	10	1	1.35	1	1	2	2
586	103178	224530	569358	10	1	1.80	1	1	1	1
587	103179	224580	569358	30	1	0.45	1	1	2	2
588	103180	224580	569308	10	1	0.53	1	1	1	1
589	103181	224580	569258	5	1	2.25	2	1	2	2
590	103182	224580	569208	5	1	1.94	1	1	2	2
591	103183	224780	569358	5	1	8.26	4	1	2	2
592	103184	224830	569358	0	1	3.61	2	1	1	1
593	103185	224880	569358	0	1	6.58	4	1	1	1
594	103186	224930	569358	240	5	1.43	1	1	2	2
595	103187	224980	569358	100	2	1.22	1	1	2	2
596	103188	224980	569408	0	1	1.72	1	1	2	2
597	103189	224980	569458	10	1	4.53	3	1	2	2

598	103190	224980	569508	10	1	1.68	1	1	1	1
599	103191	224980	569533	80	2	1.12	1	1	1	1
600	103194	225180	569258	0	1	1.96	1	1	2	2
601	103216	222580	569558	330	5	0.87	1	1	3	3
602	103217	222580	569508	280	5	2.60	2	3.5	3	10.5
603	103218	222580	569458	240	5	2.94	2	3.5	3	10.5
604	103219	222780	569558	380	5	0.65	1	1	1	1
605	103220	222830	569558	250	5	1.73	1	1	1	1
606	103221	222880	569558	70	2	2.91	2	2	1	2
607	103222	222930	569558	0	1	3.49	2	1	1	1
608	103223	222980	569558	0	1	6.27	4	1	1	1
609	103224	222980	569608	0	1	5.71	3	1	1	1
610	103225	222980	569658	10	1	5.71	3	1	1	1
611	103226	222980	569708	10	1	5.57	3	1	1	1
612	103227	223180	569558	250	5	1.00	1	1	2	2
613	103228	223230	569558	25	1	1.53	1	1	1	1
614	103229	223280	569558	260	5	2.08	2	3.5	1	3.5
615	103230	223330	569558	170	4	1.86	1	1	1	1
616	103231	223380	569558	350	5	1.65	1	1	2	2
617	103232	223380	569608	30	1	1.90	1	1	2	2
618	103233	223380	569658	35	1	3.09	2	1	2	2
619	103234	223380	569708	120	3	2.07	2	2.5	2	5
620	103235	223580	569558	40	1	3.84	2	1	1	1
621	103236	223630	569558	40	1	2.14	2	1	2	2
622	103237	223680	569558	50	2	3.41	2	2	2	4
623	103238	223730	569558	70	2	3.41	2	2	1	2
624	103239	223780	569558	70	2	1.31	1	1	2	2
625	103240	223780	569608	40	1	2.11	2	1	2	2
626	103241	223780	569658	150	3	1.58	1	1	1	1
627	103242	223780	569708	150	3	0.87	1	1	1	1
628	103243	223980	569558	20	1	5.04	3	1	1	1
629	103244	224030	569558	30	1	4.63	3	1	1	1
630	103245	224080	569558	60	2	5.44	3	2.5	1	2.5
631	103246	224130	569558	50	2	4.23	3	2.5	1	2.5
632	103247	224180	569558	40	1	4.50	3	1	2	2
633	103248	224180	569608	30	1	6.90	4	1	2	2
634	103249	224180	569658	250	5	3.45	2	3.5	1	3.5
635	103250	224180	569708	120	3	2.19	2	2.5	2	5
636	103251	224380	569558	50	2	0.79	1	1	1	1
637	103252	224430	569558	30	1	1.95	1	1	1	1
638	103253	224480	569558	50	2	1.24	1	1	2	2
639	103254	224530	569558	30	1	4.15	3	1	2	2
640	103255	224580	569558	60	2	1.14	1	1	2	2
641	103256	224580	569608	30	1	1.97	1	1	2	2
642	103257	224580	569658	200	4	1.25	1	1	2	2
643	103258	224580	569708	170	4	1.07	1	1	2	2
644	103259	224780	569558	240	5	1.28	1	1	2	2
645	103260	224780	569508	220	5	0.95	1	1	2	2
646	103261	224780	569458	10	1	3.02	2	1	2	2
647	103262	224780	569408	20	1	5.08	3	1	2	2
648	103263	224980	569558	0	1	0.43	1	1	1	1
649	103264	224980	569608	280	5	0.41	1	1	1	1
650	103265	224980	569658	420	5	1.58	1	1	1	1
651	103266	222580	569758	330	5	0.71	1	1	1	1
652	103267	222580	569708	340	5	0.39	1	1	1	1
653	103268	222580	569658	420	5	0.65	1	1	1	1
654	103269	222630	569758	300	5	0.41	1	1	1	1
655	103270	222680	569758	290	5	0.69	1	1	1	1
656	103271	222730	569758	170	4	1.24	1	1	1	1
657	103272	222780	569758	210	5	1.75	1	1	1	1
658	103273	222780	569708	240	5	1.19	1	1	1	1
659	103274	222780	569658	480	5	1.21	1	1	1	1
660	103275	222780	569608	370	5	0.61	1	1	1	1

661	103296	222980	569758	15	1	6.74	4		1	1	1
662	103297	223030	569758	0	1	6.86	4		1	1	1
663	103298	223080	569758	30	1	6.63	4		1	1	1
664	103299	223130	569758	270	5	0.75	1		1	1	1
665	103300	223180	569758	460	5	0.73	1		1	1	1
666	103301	223180	569708	410	5	2.81	2		3.5	1	3.5
667	103302	223180	569658	290	5	1.12	1		1	2	2
668	103303	223180	569608	190	4	0.71	1		1	2	2
669	103304	223380	569758	310	5	0.72	1		1	1	1
670	103305	223430	569758	350	5	1.24	1		1	2	2
671	103306	223480	569758	160	4	1.83	1		1	2	2
672	103307	223530	569758	40	1	4.75	3		1	2	2
673	103308	223580	569758	40	1	1.81	1		1	2	2
674	103309	223580	569708	25	1	3.30	2		1	1	1
675	103310	223580	569658	30	1	2.37	2		1	1	1
676	103311	223580	569608	30	1	2.67	2		1	1	1
677	103312	223780	569758	50	2	1.38	1		1	1	1
678	103313	223830	569758	40	1	1.70	1		1	1	1
679	103314	223880	569758	130	3	0.99	1		1	1	1
680	103315	223930	569758	170	4	1.67	1		1	1	1
681	103316	223980	569758	30	1	2.92	2		1	1	1
682	103317	223980	569708	60	2	1.88	1		1	1	1
683	103318	223980	569658	130	3	1.48	1		1	1	1
684	103319	223980	569608	10	1	4.84	3		1	1	1
685	103320	224180	569758	25	1	5.70	3		1	2	2
686	103321	224230	569758	10	1	8.36	4		1	2	2
687	103322	224280	569758	20	1	7.93	4		1	2	2
688	103323	224330	569758	10	1	5.13	3		1	2	2
689	103324	224380	569758	20	1	3.54	2		1	2	2
690	103325	224380	569708	0	1	5.62	3		1	1	1
691	103326	224380	569658	0	1	6.84	4		1	1	1
692	103327	224380	569608	15	1	2.52	2		1	1	1
693	103328	224580	569758	40	1	2.34	2		1	1	1
694	103329	224630	569758	150	3	2.30	2		2.5	2	5
695	103330	224680	569758	90	2	0.91	1		1	2	2
696	103331	224730	569758	250	5	1.97	1		1	1	1
697	103332	224780	569758	220	5	1.93	1		1	1	1
698	103333	224780	569708	260	5	1.96	1		1	1	1
699	103334	224780	569658	280	5	1.28	1		1	1	1
700	103335	224780	569608	5	1	3.48	2		1	1	1
701	103336	224980	569758	30	1	3.68	2		1	2	2
702	103337	224930	569758	20	1	1.77	1		1	2	2
703	103338	224880	569758	60	2	1.81	1		1	2	2
704	103339	224830	569758	230	5	1.95	1		1	2	2
705	103340	224980	569808	55	2	0.80	1		1	2	2
706	103341	224980	569858	30	1	2.70	2		1	2	2
707	103342	224980	569908	25	1	4.91	3		1	1	1
708	103365	222580	569958	60	2	1.53	1		1	1	1
709	103366	222530	569908	40	1	1.76	1		1	3	3
710	103368	222780	569958	280	5	2.98	2		3.5	2	7
711	103369	222730	569958	110	3	2.73	2		2.5	2	5
712	103370	222680	569958	110	3	2.13	2		2.5	2	5
713	103371	222630	569958	30	1	3.91	2		1	2	2
714	103372	222980	569958	160	4	4.29	3		3.5	2	7
715	103373	222930	569958	25	1	4.87	3		1	2	2
716	103374	222880	569958	40	1	3.99	2		1	1	1
717	103375	222830	569958	70	2	8.76	4		3	1	3
718	103376	223180	569958	60	2	0.62	1		1	2	2
719	103377	223130	569958	260	5	0.43	1		1	2	2
720	103378	223080	569958	170	4	0.58	1		1	2	2
721	103379	223030	569958	160	4	1.96	1		1	1	1
722	103380	223380	569958	400	5	1.13	1		1	1	1
723	103381	223330	569958	100	2	1.14	1		1	1	1

724	103382	223280	569958	70	2	1.97	1	1	2	2
725	103383	223230	569958	50	2	0.86	1	1	2	2
726	103384	223580	569958	50	2	3.75	2	2	2	4
727	103385	223530	569958	40	1	6.18	4	1	2	2
728	103386	223480	569958	40	1	5.68	3	1	2	2
729	103387	223430	569958	190	4	0.99	1	1	1	1
730	103388	223780	569958	30	1	2.51	2	1	2	2
731	103389	223730	569958	100	2	2.15	2	2	2	4
732	103390	223680	569958	260	5	1.98	1	1	2	2
733	103391	223630	569958	40	1	1.98	1	1	2	2
734	103392	223980	569958	25	1	4.73	3	1	2	2
735	103393	223930	569958	40	1	5.09	3	1	2	2
736	103394	223880	569958	15	1	3.78	2	1	2	2
737	103395	223830	569958	25	1	3.71	2	1	2	2
738	103396	224180	569958	300	5	0.12	1	1	1	1
739	103397	224130	569958	280	5	1.75	1	1	1	1
740	103398	224080	569958	40	1	3.84	2	1	1	1
741	103399	224030	569958	10	1	1.83	1	1	2	2
742	103400	224380	569958	170	4	1.75	1	1	2	2
743	103401	224330	569958	320	5	2.88	2	3.5	2	7
744	103402	224280	569958	310	5	1.78	1	1	1	1
745	103403	224230	569958	380	5	0.94	1	1	1	1
746	103404	224580	569958	110	3	2.63	2	2.5	2	5
747	103405	224530	569958	20	1	7.30	4	1	2	2
748	103406	224480	569958	35	1	5.30	3	1	1	1
749	103407	224430	569958	40	1	2.98	2	1	1	1
750	103408	224780	569958	160	4	2.55	2	3	1	3
751	103409	224730	569958	180	4	2.38	2	3	2	6
752	103410	224680	569958	70	2	3.29	2	2	2	4
753	103411	224630	569958	40	1	2.67	2	1	2	2
754	103412	224980	569958	145	3	3.21	2	2.5	1	2.5
755	103413	224980	570008	50	2	7.07	4	3	1	3
756	103414	224980	570058	55	2	2.11	2	2	1	2
757	103415	224980	570108	0	1	1.69	1	1	1	1
758	103416	224930	569958	60	2	5.86	3	2.5	1	2.5
759	103417	224880	569958	60	2	2.68	2	2	1	2
760	103418	224830	569958	25	1	4.65	3	1	1	1
761	103442	222580	570158	0	1	5.20	3	1	1	1
762	103443	222530	570158	70	2	3.94	2	2	3	6
763	103444	222480	570158	110	3	3.19	2	2.5	3	7.5
764	103445	222780	570158	280	5	3.25	2	3.5	1	3.5
765	103446	222730	570158	280	5	3.28	2	3.5	1	3.5
766	103447	222680	570158	80	2	3.16	2	2	1	2
767	103448	222630	570158	0	1	7.77	4	1	1	1
768	103449	222980	570158	20	1	4.80	3	1	2	2
769	103450	222930	570158	0	1	5.26	3	1	2	2
770	103451	222880	570158	30	1	6.07	4	1	1	1
771	103452	222830	570158	220	5	5.51	3	4	1	4
772	103453	222945	570123	10	1	5.47	3	1	2	2
773	103454	223180	570158	140	3	0.65	1	1	1	1
774	103455	223130	570158	120	3	0.74	1	1	1	1
775	103456	223080	570158	90	2	2.63	2	2	1	2
776	103457	223030	570158	30	1	2.02	2	1	2	2
777	103458	223380	570158	300	5	1.86	1	1	1	1
778	103459	223330	570158	260	5	3.63	2	3.5	2	7
779	103460	223280	570158	210	5	0.94	1	1	2	2
780	103461	223230	570158	240	5	0.63	1	1	2	2
781	103462	223580	570158	0	1	5.74	3	1	1	1
782	103463	223530	570158	10	1	7.97	4	1	1	1
783	103464	223480	570158	0	1	7.52	4	1	1	1
784	103465	223430	570158	170	4	4.04	3	3.5	1	3.5
785	103466	223780	570158	430	5	1.42	1	1	1	1
786	103467	223730	570158	300	5	1.19	1	1	1	1

787	103468	223680	570158	0	1	3.78	2	1	1	1
788	103469	223630	570158	0	1	8.69	4	1	1	1
789	103470	223980	570158	240	5	1.41	1	1	2	2
790	103471	223930	570158	260	5	1.88	1	1	1	1
791	103472	223880	570158	210	5	1.48	1	1	1	1
792	103473	223830	570158	140	3	1.58	1	1	1	1
793	103474	224180	570158	430	5	0.43	1	1	1	1
794	103475	224130	570158	420	5	0.47	1	1	1	1
795	103476	224080	570158	410	5	0.07	1	1	1	1
796	103477	224030	570158	280	5	1.29	1	1	2	2
797	103478	224380	570158	120	3	1.51	1	1	1	1
798	103479	224330	570158	250	5	1.65	1	1	2	2
799	103480	224280	570158	500	5	1.08	1	1	2	2
800	103481	224230	570158	480	5	1.10	1	1	1	1
801	103482	224580	570158	150	3	3.48	2	2.5	2	5
802	103483	224530	570158	10	1	7.22	4	1	2	2
803	103484	224480	570158	60	2	2.95	2	2	2	4
804	103485	224430	570158	80	2	1.58	1	1	1	1
805	103486	224780	570158	110	3	6.33	4	3.5	1	3.5
806	103487	224730	570158	10	1	2.47	2	1	2	2
807	103488	224680	570158	20	1	1.98	1	1	2	2
808	103489	224630	570158	15	1	2.66	2	1	1	1
809	103490	224980	570158	0	1	5.36	3	1	1	1
810	103491	224930	570158	60	2	2.87	2	2	1	2
811	103492	224880	570158	120	3	3.23	2	2.5	1	2.5
812	103493	224830	570158	20	1	4.67	3	1	1	1
813	103516	222480	570358	5	1	9.34	4	1	3	3
814	103517	222530	570358	40	1	4.30	3	1	3	3
815	103518	222580	570358	50	2	0.71	1	1	1	1
816	103519	222630	570358	40	1	2.95	2	1	1	1
817	103520	222680	570358	30	1	3.90	2	1	1	1
818	103521	222730	570358	50	2	4.31	3	2.5	1	2.5
819	103522	222755	570358	240	5	1.58	1	1	1	1
820	103523	222780	570358	460	5	2.96	2	3.5	1	3.5
821	103524	222830	570358	110	3	4.45	3	3	1	3
822	103525	222880	570358	0	1	7.51	4	1	1	1
823	103526	222930	570358	0	1	5.16	3	1	1	1
824	103527	222980	570358	10	1	7.96	4	1	1	1
825	103528	223030	570358	20	1	16.63	5	1	1	1
826	103529	223080	570358	40	1	2.94	2	1	2	2
827	103530	223130	570358	110	3	3.72	2	2.5	2	5
828	103531	223180	570358	0	1	2.56	2	1	1	1
829	103532	223230	570358	0	1	6.11	4	1	1	1
830	103533	223280	570358	250	5	1.84	1	1	2	2
831	103534	223330	570358	70	2	1.70	1	1	2	2
832	103535	223380	570358	260	5	2.77	2	3.5	2	7
833	103536	223430	570358	10	1	11.16	4	1	1	1
834	103537	223480	570358	20	1	8.10	4	1	1	1
835	103538	223530	570358	30	1	4.42	3	1	2	2
836	103539	223580	570358	45	1	2.13	2	1	2	2
837	103540	223630	570358	40	1	3.42	2	1	2	2
838	103541	223680	570358	380	5	1.30	1	1	2	2
839	103542	223730	570358	601	5	1.27	1	1	1	1
840	103543	223780	570358	601	5	1.12	1	1	1	1
841	103544	223847	570358	20	1	1.12	1	1	1	1
842	103545	223914	570358	0	1	3.07	2	1	1	1
843	103546	223980	570358	20	1	0.73	1	1	2	2
844	103547	223915	570358	20	1	3.32	2	1	1	1
845	103548	223860	570358	0	1	3.01	2	1	1	1
846	103549	224047	570358	120	3	1.09	1	1	1	1
847	103550	224114	570358	601	5	1.01	1	1	1	1
848	103551	224180	570358	180	4	1.28	1	1	1	1
849	103552	224247	570358	300	5	1.02	1	1	1	1

850	103553	224314	570358	180	4	0.72	1	1	2	2
851	103554	224380	570358	300	5	2.99	2	3.5	1	3.5
852	103555	224430	570358	20	1	3.05	2	1	1	1
853	103556	224480	570358	50	2	2.50	2	2	2	4
854	103557	224530	570358	70	2	5.78	3	2.5	2	5
855	103558	224580	570358	10	1	3.33	2	1	2	2
856	103559	224630	570358	10	1	2.65	2	1	2	2
857	103560	224680	570358	20	1	2.76	2	1	2	2
858	103561	224730	570358	10	1	3.09	2	1	2	2
859	103562	224780	570358	20	1	4.06	3	1	2	2
860	103563	224830	570358	0	1	2.81	2	1	2	2
861	103564	224880	570358	90	2	2.88	2	2	2	4
862	103592	222460	570558	120	3	3.78	2	2.5	3	7.5
863	103593	222480	570558	200	4	2.58	2	3	3	9
864	103594	222530	570558	200	4	1.81	1	1	3	3
865	103595	222580	570558	240	5	1.84	1	1	1	1
866	103596	222630	570558	310	5	0.91	1	1	1	1
867	103597	222680	570558	410	5	1.15	1	1	1	1
868	103598	222730	570558	100	2	1.28	1	1	1	1
869	103599	222780	570558	40	1	7.49	4	1	2	2
870	103600	222830	570558	30	1	7.34	4	1	2	2
871	103601	222880	570558	20	1	6.93	4	1	2	2
872	103602	222930	570558	20	1	1.58	1	1	2	2
873	103603	222780	570658	20	1	5.77	3	1	2	2
874	103604	222980	570558	20	1	8.77	4	1	1	1
875	103605	223030	570558	10	1	8.50	4	1	1	1
876	103606	223080	570558	0	1	6.10	4	1	2	2
877	103607	223100	570558	0	1	5.61	3	1	2	2
878	103608	223121	570558	80	2	1.16	1	1	2	2
879	103609	223130	570558	60	2	1.95	1	1	2	2
880	103610	223140	570558	60	2	2.33	2	2	2	4
881	103611	223150	570558	90	2	2.31	2	2	2	4
882	103612	223160	570558	70	2	2.29	2	2	2	4
883	103613	223170	570558	110	3	2.25	2	2.5	2	5
884	103614	223180	570558	210	5	4.13	3	4	1	4
885	103615	223205	570558	80	2	4.49	3	2.5	1	2.5
886	103616	223230	570558	10	1	3.19	2	1	1	1
887	103617	223280	570558	20	1	2.15	2	1	1	1
888	103618	223305	570558	70	2	0.76	1	1	1	1
889	103619	223330	570558	140	3	0.77	1	1	1	1
890	103620	223355	570558	240	5	0.92	1	1	1	1
891	103621	223380	570558	230	5	2.04	2	3.5	1	3.5
892	103622	223405	570558	100	2	1.58	1	1	1	1
893	103623	223430	570558	100	2	1.75	1	1	1	1
894	103624	223480	570558	20	1	5.20	3	1	2	2
895	103625	223530	570558	50	2	3.35	2	2	2	4
896	103626	223570	570558	0	1	1.23	1	1	2	2
897	103627	223580	570558	150	3	1.25	1	1	2	2
898	103628	223580	570583	110	3	1.23	1	1	2	2
899	103629	223580	570608	150	3	1.23	1	1	2	2
900	103630	223580	570658	70	2	1.27	1	1	2	2
901	103631	223630	570558	250	5	1.21	1	1	1	1
902	103632	223680	570558	340	5	0.58	1	1	1	1
903	103633	223730	570558	480	5	0.53	1	1	1	1
904	103634	223537	570489	0	1	7.57	4	1	2	2
905	103635	223780	570558	320	5	0.53	1	1	1	1
906	103636	223830	570558	160	4	0.70	1	1	1	1
907	103637	223860	570558	20	1	7.33	4	1	1	1
908	103638	223880	570558	20	1	5.71	3	1	1	1
909	103639	223880	570558	40	1	5.71	3	1	1	1
910	103640	223780	570458	0	1	1.16	1	1	1	1
911	103641	223980	570558	30	1	3.77	2	1	2	2
912	103642	223980	570493	30	1	3.93	2	1	2	2

913	103643	223980	570448	20	1	4.58	3	1	2	2
914	103644	223980	570378	20	1	1.93	1	1	2	2
915	103645	224030	570558	60	2	1.08	1	1	2	2
916	103646	224080	570558	240	5	1.15	1	1	1	1
917	103647	224130	570558	210	5	1.82	1	1	1	1
918	103648	224180	570558	100	2	1.67	1	1	1	1
919	103649	224230	570558	75	2	1.81	1	1	1	1
920	103650	224280	570558	260	5	1.83	1	1	1	1
921	103651	224330	570558	460	5	1.43	1	1	2	2
922	103652	224380	570558	200	4	1.14	1	1	2	2
923	103653	224430	570558	190	4	2.24	2	3	1	3
924	103654	224480	570558	190	4	1.45	1	1	2	2
925	103655	224530	570558	180	4	1.73	1	1	2	2
926	103656	224380	570608	290	5	2.38	2	3.5	2	7
927	103657	224380	570658	230	5	2.80	2	3.5	2	7
928	103658	224580	570558	200	4	1.57	1	1	1	1
929	103659	224630	570558	140	3	2.82	2	2.5	2	5
930	103660	224680	570558	160	4	2.60	2	3	2	6
931	103661	224730	570558	30	1	2.26	2	1	2	2
932	103662	224780	570558	90	2	1.67	1	1	1	1
933	103666	224758	570629	0	1	1.80	1	1	2	2
934	103667	224745	570495	20	1	2.27	2	1	1	1
935	103700	222410	570758	240	5	7.86	4	4.5	3	13.5
936	103701	222480	570758	280	5	1.97	1	1	3	3
937	103702	222530	570758	180	4	1.91	1	1	3	3
938	103703	222580	570758	80	2	1.90	1	1	1	1
939	103704	222645	570758	110	3	1.80	1	1	1	1
940	103705	222715	570758	100	2	2.22	2	2	2	4
941	103706	222780	570758	100	2	1.34	1	1	2	2
942	103707	222845	570758	240	5	2.78	2	3.5	1	3.5
943	103708	222915	570758	310	5	1.20	1	1	1	1
944	103709	222980	570758	160	4	1.45	1	1	1	1
945	103710	223045	570758	35	1	4.07	3	1	1	1
946	103711	223115	570758	20	1	5.32	3	1	2	2
947	103712	223150	570758	210	5	1.01	1	1	2	2
948	103713	223180	570758	300	5	2.87	2	3.5	2	7
949	103714	223245	570758	40	1	1.34	1	1	1	1
950	103715	223315	570758	40	1	1.63	1	1	1	1
951	103716	223380	570758	20	1	1.63	1	1	1	1
952	103717	223445	570758	30	1	1.81	1	1	1	1
953	103718	223515	570758	0	1	3.34	2	1	2	2
954	103719	223580	570758	20	1	3.07	2	1	2	2
955	103720	223580	570708	20	1	1.25	1	1	2	2
956	103721	223645	570758	20	1	5.08	3	1	2	2
957	103722	223715	570758	20	1	6.44	4	1	2	2
958	103723	223780	570758	20	1	3.21	2	1	2	2
959	103724	223845	570758	0	1	4.61	3	1	2	2
960	103725	223915	570758	0	1	1.71	1	1	2	2
961	103726	223980	570758	20	1	1.91	1	1	2	2
962	103727	224045	570758	20	1	0.60	1	1	2	2
963	103728	224115	570758	30	1	2.62	2	1	1	1
964	103729	223980	570693	40	1	2.88	2	1	2	2
965	103730	223980	570623	40	1	2.91	2	1	2	2
966	103731	224180	570758	20	1	2.76	2	1	1	1
967	103732	224245	570758	40	1	2.45	2	1	1	1
968	103733	224310	570758	220	5	3.40	2	3.5	2	7
969	103734	224380	570758	200	4	2.79	2	3	2	6
970	103735	224430	570758	240	5	2.31	2	3.5	1	3.5
971	103736	224480	570758	200	4	3.52	2	3	2	6
972	103737	224530	570758	80	2	1.20	1	1	2	2
973	103738	224580	570758	0	1	3.02	2	1	2	2
974	103739	224630	570758	30	1	3.02	2	1	1	1
975	103740	224680	570758	30	1	2.13	2	1	1	1

976	103780	222780	570958	80	2	3.24	2	2	2	4
977	103781	222761	570912	30	1	2.44	2	1	2	2
978	103782	222741	570866	60	2	1.91	1	1	2	2
979	103783	222722	570820	90	2	2.72	2	2	2	4
980	103784	222702	570774	240	5	1.71	1	1	1	1
981	103785	222980	570958	40	1	0.95	1	1	2	2
982	103786	222930	570958	40	1	2.44	2	1	2	2
983	103787	222880	570958	60	2	3.08	2	2	2	4
984	103788	222830	570958	40	1	4.45	3	1	2	2
985	103789	222800	570958	130	3	4.12	3	3	2	6
986	103790	223050	570826	180	4	4.11	3	3.5	2	7
987	103791	223062	570832	30	1	4.17	3	1	2	2
988	103792	223180	570958	20	1	2.45	2	1	2	2
989	103793	223116	570999	40	1	2.68	2	1	1	1
990	103794	223160	570958	110	3	2.45	2	2.5	2	5
991	103795	223380	570958	20	1	3.84	2	1	1	1
992	103816	224580	570958	0	1	3.16	2	1	1	1
993	103817	224530	570958	30	1	2.05	2	1	1	1
994	103818	224470	570958	120	3	2.27	2	2.5	1	2.5
995	103849	222780	571008	20	1	1.54	1	1	1	1
996	103860	223081	571000	190	4	1.67	1	1	1	1
997	104415	222839	571470	290	5	1.32	1	1	1	1
998	106969	222688	571011	0	1	2.13	2	1	2	2
999	106971	222688	571001	0	1	2.60	2	1	2	2
1000	106976	222668	570991	0	1	3.07	2	1	2	2
1001	106977	222688	570991	0	1	2.82	2	1	2	2
1002	106982	222658	570981	0	1	3.76	2	1	2	2
1003	106983	222678	570981	0	1	4.70	3	1	2	2
1004	106989	222628	570971	0	1	4.14	3	1	2	2
1005	106990	222648	570971	0	1	4.31	3	1	2	2
1006	106991	222668	570971	0	1	3.46	2	1	2	2
1007	106992	224548	570971	0	1	2.48	2	1	1	1
1008	106993	224568	570971	0	1	2.70	2	1	1	1
1009	106996	222638	570961	0	1	1.76	1	1	2	2
1010	106997	222658	570961	0	1	2.55	2	1	2	2
1011	106998	224558	570961	0	1	2.91	2	1	1	1
1012	106999	224578	570961	0	1	3.20	2	1	1	1
1013	107001	222648	570951	0	1	1.08	1	1	2	2
1014	107002	222668	570951	0	1	3.39	2	1	2	2
1015	107003	224558	570951	0	1	2.86	2	1	1	1
1016	107004	224578	570951	0	1	2.94	2	1	1	1
1017	107009	222658	570941	0	1	0.96	1	1	2	2
1018	107010	224548	570941	0	1	2.10	2	1	1	1
1019	107011	224568	570941	0	1	2.24	2	1	1	1
1020	107012	224588	570941	0	1	2.54	2	1	1	1
1021	107017	222628	570931	0	1	1.00	1	1	2	2
1022	107018	224518	570931	0	1	2.12	2	1	1	1
1023	107019	224538	570931	0	1	2.12	2	1	1	1
1024	107020	224558	570931	0	1	2.10	2	1	1	1
1025	107021	224578	570931	0	1	2.11	2	1	1	1
1026	107029	222628	570921	0	1	3.28	2	1	2	2
1027	107030	222648	570921	0	1	0.33	1	1	2	2
1028	107031	224518	570921	0	1	2.12	2	1	1	1
1029	107032	224538	570921	0	1	2.12	2	1	1	1
1030	107033	224558	570921	0	1	2.09	2	1	1	1
1031	107034	224578	570921	0	1	2.11	2	1	1	1
1032	107046	224508	570911	0	1	2.22	2	1	1	1
1033	107047	224528	570911	0	1	2.16	2	1	1	1
1034	107048	224548	570911	0	1	2.13	2	1	1	1
1035	107058	223448	570901	0	1	4.31	3	1	2	2
1036	107059	223468	570901	0	1	4.74	3	1	2	2
1037	107060	223488	570901	0	1	5.29	3	1	2	2
1038	107061	223508	570901	0	1	4.60	3	1	2	2

1039	107062	223528	570901	0	1	4.58	3	1	1	1
1040	107063	223548	570901	0	1	4.47	3	1	1	1
1041	107065	224518	570901	0	1	2.23	2	1	1	1
1042	107066	224538	570901	0	1	2.25	2	1	2	2
1043	107072	223438	570891	0	1	4.11	3	1	2	2
1044	107073	223458	570891	0	1	4.83	3	1	2	2
1045	107074	223478	570891	0	1	4.04	3	1	2	2
1046	107075	223498	570891	0	1	5.38	3	1	2	2
1047	107076	223518	570891	0	1	4.59	3	1	2	2
1048	107077	223538	570891	0	1	5.28	3	1	1	1
1049	107078	223558	570891	0	1	3.93	2	1	1	1
1050	107079	223578	570891	0	1	4.14	3	1	1	1
1051	107081	224518	570891	0	1	2.23	2	1	2	2
1052	107082	224538	570891	0	1	2.38	2	1	2	2
1053	107087	223448	570881	0	1	4.29	3	1	2	2
1054	107088	223468	570881	0	1	4.85	3	1	2	2
1055	107089	223488	570881	0	1	3.97	2	1	2	2
1056	107090	223508	570881	0	1	4.51	3	1	2	2
1057	107091	223528	570881	0	1	5.33	3	1	2	2
1058	107092	223548	570881	0	1	4.03	3	1	1	1
1059	107093	223568	570881	0	1	4.13	3	1	1	1
1060	107094	223588	570881	0	1	4.92	3	1	1	1
1061	107095	223608	570881	0	1	3.13	2	1	1	1
1062	107101	223448	570871	0	1	3.00	2	1	2	2
1063	107102	223468	570871	0	1	4.87	3	1	2	2
1064	107103	223488	570871	0	1	4.80	3	1	2	2
1065	107104	223508	570871	0	1	4.82	3	1	2	2
1066	107105	223528	570871	0	1	5.21	3	1	2	2
1067	107106	223548	570871	0	1	4.20	3	1	2	2
1068	107107	223568	570871	0	1	4.20	3	1	1	1
1069	107108	223588	570871	0	1	4.36	3	1	1	1
1070	107109	223608	570871	0	1	2.72	2	1	1	1
1071	107110	223628	570871	0	1	2.23	2	1	1	1
1072	107111	223648	570871	0	1	0.60	1	1	1	1
1073	107117	223478	570861	0	1	4.99	3	1	2	2
1074	107118	223498	570861	0	1	5.59	3	1	2	2
1075	107119	223518	570861	0	1	5.13	3	1	2	2
1076	107120	223538	570861	0	1	4.18	3	1	2	2
1077	107121	223558	570861	0	1	4.61	3	1	2	2
1078	107122	223578	570861	0	1	4.62	3	1	1	1
1079	107123	223598	570861	0	1	3.49	2	1	1	1
1080	107124	223618	570861	0	1	2.58	2	1	1	1
1081	107125	223638	570861	0	1	1.02	1	1	1	1
1082	107132	223468	570851	0	1	3.19	2	1	2	2
1083	107133	223488	570851	0	1	5.84	3	1	2	2
1084	107134	223508	570851	0	1	5.59	3	1	2	2
1085	107135	223528	570851	0	1	4.45	3	1	2	2
1086	107136	223548	570851	0	1	3.63	2	1	2	2
1087	107137	223568	570851	0	1	4.60	3	1	2	2
1088	107138	223588	570851	0	1	4.38	3	1	2	2
1089	107139	223608	570851	0	1	3.46	2	1	1	1
1090	107140	223628	570851	0	1	2.27	2	1	1	1
1091	107141	223648	570851	0	1	0.52	1	1	1	1
1092	107149	223468	570841	0	1	1.62	1	1	2	2
1093	107150	223488	570841	0	1	6.48	4	1	2	2
1094	107151	223508	570841	0	1	6.85	4	1	2	2
1095	107152	223528	570841	0	1	4.30	3	1	2	2
1096	107153	223548	570841	0	1	3.23	2	1	2	2
1097	107154	223568	570841	0	1	4.56	3	1	2	2
1098	107155	223588	570841	0	1	4.44	3	1	2	2
1099	107156	223608	570841	0	1	4.44	3	1	2	2
1100	107157	223628	570841	0	1	2.29	2	1	1	1
1101	107158	223648	570841	0	1	1.33	1	1	1	1

1102	107166	223488	570831	0	1	6.20	4	1	2	2
1103	107167	223508	570831	0	1	7.21	4	1	2	2
1104	107168	223528	570831	0	1	4.62	3	1	2	2
1105	107169	223548	570831	0	1	5.84	3	1	2	2
1106	107170	223568	570831	0	1	4.89	3	1	2	2
1107	107171	223588	570831	0	1	4.87	3	1	2	2
1108	107172	223608	570831	0	1	4.84	3	1	2	2
1109	107173	223628	570831	0	1	3.64	2	1	2	2
1110	107174	223648	570831	0	1	4.83	3	1	1	1
1111	107180	223478	570821	0	1	2.18	2	1	2	2
1112	107181	223498	570821	0	1	7.57	4	1	2	2
1113	107182	223518	570821	0	1	8.41	4	1	2	2
1114	107183	223538	570821	0	1	6.30	4	1	2	2
1115	107184	223558	570821	0	1	6.34	4	1	2	2
1116	107185	223578	570821	0	1	6.47	4	1	2	2
1117	107186	223598	570821	0	1	6.49	4	1	2	2
1118	107187	223618	570821	0	1	6.48	4	1	2	2
1119	107188	223638	570821	0	1	6.04	4	1	2	2
1120	107189	223658	570821	0	1	4.40	3	1	1	1
1121	107195	223498	570811	0	1	4.37	3	1	2	2
1122	107196	223518	570811	0	1	6.41	4	1	2	2
1123	107197	223538	570811	0	1	6.36	4	1	2	2
1124	107198	223558	570811	0	1	6.29	4	1	2	2
1125	107199	223578	570811	0	1	6.24	4	1	2	2
1126	107200	223598	570811	0	1	6.48	4	1	2	2
1127	107201	223618	570811	0	1	6.48	4	1	2	2
1128	107202	223638	570811	0	1	4.74	3	1	2	2
1129	107203	223658	570811	0	1	3.55	2	1	2	2
1130	107209	223518	570801	0	1	6.65	4	1	2	2
1131	107210	223538	570801	0	1	6.38	4	1	2	2
1132	107211	223558	570801	0	1	6.21	4	1	2	2
1133	107212	223578	570801	0	1	6.21	4	1	2	2
1134	107213	223598	570801	0	1	6.42	4	1	2	2
1135	107214	223618	570801	0	1	6.28	4	1	2	2
1136	107215	223638	570801	0	1	4.66	3	1	2	2
1137	107223	223528	570791	0	1	5.41	3	1	2	2
1138	107224	223548	570791	0	1	5.37	3	1	2	2
1139	107225	223568	570791	0	1	5.65	3	1	2	2
1140	107226	223588	570791	0	1	5.67	3	1	2	2
1141	107227	223608	570791	0	1	5.68	3	1	2	2
1142	107228	223628	570791	0	1	5.22	3	1	2	2
1143	107234	223408	570781	0	1	1.51	1	1	2	2
1144	107235	223538	570781	0	1	3.88	2	1	2	2
1145	107236	223558	570781	0	1	3.46	2	1	2	2
1146	107237	223578	570781	0	1	4.22	3	1	2	2
1147	107238	223598	570781	0	1	4.19	3	1	2	2
1148	107239	223618	570781	0	1	4.41	3	1	2	2
1149	107248	223418	570771	0	1	1.57	1	1	1	1
1150	107249	223548	570771	0	1	2.68	2	1	2	2
1151	107250	223608	570771	0	1	4.10	3	1	2	2
1152	107260	223548	570761	0	1	2.24	2	1	2	2
1153	107261	223568	570761	0	1	3.05	2	1	2	2
1154	107345	223858	570681	0	1	3.98	2	1	2	2
1155	107372	223098	570661	0	1	8.53	4	1	2	2
1156	107388	223088	570651	0	1	7.82	4	1	2	2
1157	107389	223108	570651	0	1	8.00	4	1	2	2
1158	107404	223088	570641	0	1	7.70	4	1	2	2
1159	107405	223108	570641	0	1	6.83	4	1	2	2
1160	107419	223078	570631	0	1	7.48	4	1	1	1
1161	107420	223098	570631	0	1	7.79	4	1	2	2
1162	107432	223078	570621	0	1	6.94	4	1	1	1
1163	107433	223098	570621	0	1	7.13	4	1	2	2
1164	107445	223068	570611	0	1	5.83	3	1	1	1

1165	107446	223098	570611	0	1	6.38	4	1	2	2
1166	107455	223048	570601	0	1	6.25	4	1	1	1
1167	107456	223068	570601	0	1	5.87	3	1	1	1
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1169	107468	223028	570591	0	1	8.69	4	1	1	1
1170	107469	223048	570591	0	1	8.19	4	1	1	1
1171	107470	223068	570591	0	1	5.30	3	1	1	1
1172	107471	223098	570591	0	1	7.78	4	1	2	2
1173	107483	223028	570581	0	1	8.50	4	1	1	1
1174	107484	223048	570581	0	1	8.61	4	1	1	1
1175	107485	223068	570581	0	1	5.26	3	1	1	1
1176	107486	223098	570581	0	1	7.37	4	1	2	2
1177	107499	223028	570571	0	1	8.50	4	1	1	1
1178	107500	223048	570571	0	1	8.48	4	1	1	1
1179	107501	223068	570571	0	1	6.52	4	1	1	1
1180	107502	223088	570571	0	1	5.88	3	1	2	2
1181	107503	223108	570571	0	1	7.30	4	1	2	2
1182	107514	223038	570561	0	1	8.50	4	1	1	1
1183	107515	223058	570561	0	1	8.32	4	1	1	1
1184	107516	223078	570561	0	1	6.25	4	1	2	2
1185	107517	223098	570561	0	1	6.17	4	1	2	2
1186	107529	223038	570551	0	1	8.40	4	1	1	1
1187	107530	223058	570551	0	1	8.32	4	1	1	1
1188	107531	223078	570551	0	1	7.89	4	1	2	2
1189	107532	223098	570551	0	1	5.45	3	1	2	2
1190	107544	223048	570541	0	1	8.32	4	1	1	1
1191	107545	223068	570541	0	1	8.32	4	1	1	1
1192	107546	223088	570541	0	1	7.45	4	1	2	2
1193	107547	223858	570541	0	1	7.62	4	1	1	1
1194	107559	223048	570531	0	1	8.32	4	1	1	1
1195	107560	223068	570531	0	1	8.32	4	1	1	1
1196	107561	223858	570531	0	1	7.59	4	1	1	1
1197	107572	223038	570521	0	1	8.84	4	1	1	1
1198	107573	223058	570521	0	1	9.03	4	1	1	1
1199	107574	223248	570521	0	1	1.54	1	1	1	1
1200	107575	223868	570521	0	1	7.86	4	1	1	1
1201	107588	223048	570511	0	1	9.34	4	1	1	1
1202	107589	223068	570511	0	1	9.34	4	1	2	2
1203	107590	223868	570511	0	1	7.76	4	1	1	1
1204	107603	223048	570501	0	1	9.35	4	1	1	1
1205	107604	223068	570501	0	1	9.33	4	1	2	2
1206	107605	223508	570501	0	1	7.52	4	1	2	2
1207	107606	223848	570501	0	1	7.63	4	1	1	1
1208	107607	223868	570501	0	1	6.89	4	1	1	1
1209	107621	223028	570491	0	1	9.44	4	1	1	1
1210	107622	223048	570491	0	1	9.39	4	1	1	1
1211	107623	223068	570491	0	1	9.04	4	1	2	2
1212	107624	223498	570491	0	1	10.64	4	1	2	2
1213	107625	223518	570491	0	1	10.55	4	1	2	2
1214	107626	223858	570491	0	1	7.16	4	1	1	1
1215	107641	223028	570481	0	1	9.65	4	1	1	1
1216	107642	223048	570481	0	1	9.98	4	1	1	1
1217	107643	223478	570481	0	1	3.53	2	1	1	1
1218	107644	223498	570481	0	1	14.60	4	1	2	2
1219	107645	223848	570481	0	1	7.39	4	1	1	1
1220	107646	223868	570481	0	1	6.34	4	1	1	1
1221	107647	224798	570481	0	1	2.99	2	1	1	1
1222	107664	223038	570471	0	1	10.83	4	1	1	1
1223	107665	223058	570471	0	1	8.42	4	1	1	1
1224	107666	223488	570471	0	1	11.68	4	1	1	1
1225	107667	223858	570471	0	1	6.35	4	1	1	1
1226	107668	223878	570471	0	1	6.25	4	1	1	1
1227	107669	224798	570471	0	1	2.99	2	1	1	1

1228	107685	223028	570461	0	1	10.89	4		1	1	1
1229	107686	223048	570461	0	1	10.19	4		1	1	1
1230	107687	223188	570461	0	1	3.52	2		1	1	1
1231	107688	223288	570461	0	1	4.06	3		1	2	2
1232	107689	223478	570461	0	1	7.44	4		1	1	1
1233	107690	223498	570461	0	1	15.09	5		1	2	2
1234	107691	223858	570461	0	1	6.29	4		1	1	1
1235	107692	223878	570461	0	1	6.13	4		1	1	1
1236	107693	224798	570461	0	1	2.99	2		1	1	1
1237	107708	223018	570451	0	1	9.18	4		1	1	1
1238	107709	223038	570451	0	1	12.79	4		1	1	1
1239	107710	223178	570451	0	1	3.30	2		1	1	1
1240	107711	223278	570451	0	1	6.78	4		1	1	1
1241	107712	223408	570451	0	1	2.94	2		1	2	2
1242	107713	223428	570451	0	1	2.78	2		1	1	1
1243	107714	223448	570451	0	1	2.30	2		1	1	1
1244	107715	223488	570451	0	1	15.68	5		1	1	1
1245	107716	223848	570451	0	1	6.11	4		1	1	1
1246	107717	223868	570451	0	1	5.78	3		1	1	1
1247	107733	223038	570441	0	1	12.82	4		1	1	1
1248	107734	223058	570441	0	1	7.27	4		1	2	2
1249	107735	223208	570441	0	1	3.35	2		1	1	1
1250	107736	223278	570441	0	1	6.98	4		1	2	2
1251	107737	223408	570441	0	1	2.84	2		1	2	2
1252	107738	223428	570441	0	1	2.99	2		1	1	1
1253	107739	223448	570441	0	1	2.80	2		1	1	1
1254	107740	223468	570441	0	1	7.92	4		1	1	1
1255	107741	223848	570441	0	1	5.49	3		1	1	1
1256	107742	223868	570441	0	1	5.72	3		1	1	1
1257	107743	223888	570441	0	1	5.25	3		1	1	1
1258	107758	223028	570431	0	1	12.28	4		1	1	1
1259	107759	223048	570431	0	1	11.43	4		1	2	2
1260	107760	223168	570431	0	1	3.74	2		1	1	1
1261	107761	223198	570431	0	1	3.34	2		1	1	1
1262	107762	223278	570431	0	1	7.08	4		1	2	2
1263	107763	223408	570431	0	1	2.59	2		1	2	2
1264	107764	223428	570431	0	1	2.94	2		1	1	1
1265	107765	223448	570431	0	1	3.14	2		1	1	1
1266	107766	223478	570431	0	1	15.12	5		1	1	1
1267	107767	223858	570431	0	1	5.87	3		1	1	1
1268	107768	223878	570431	0	1	5.65	3		1	1	1
1269	107784	223038	570421	0	1	15.02	5		1	1	1
1270	107785	223058	570421	0	1	7.52	4		1	2	2
1271	107786	223188	570421	0	1	3.30	2		1	1	1
1272	107787	223208	570421	0	1	1.99	1		1	1	1
1273	107788	223268	570421	0	1	9.14	4		1	2	2
1274	107789	223418	570421	0	1	2.65	2		1	1	1
1275	107790	223438	570421	0	1	3.11	2		1	1	1
1276	107791	223468	570421	0	1	11.58	4		1	1	1
1277	107792	223858	570421	0	1	5.80	3		1	1	1
1278	107793	223878	570421	0	1	5.19	3		1	1	1
1279	107794	224858	570421	0	1	3.48	2		1	2	2
1280	107795	224878	570421	0	1	3.79	2		1	1	1
1281	107814	222858	570411	0	1	9.61	4		1	2	2
1282	107815	223048	570411	0	1	8.14	4		1	2	2
1283	107816	223168	570411	0	1	3.97	2		1	1	1
1284	107817	223188	570411	0	1	3.09	2		1	1	1
1285	107818	223208	570411	0	1	1.82	1		1	1	1
1286	107819	223258	570411	0	1	9.07	4		1	1	1
1287	107820	223278	570411	0	1	4.97	3		1	2	2
1288	107821	223468	570411	0	1	13.84	4		1	1	1
1289	107822	223858	570411	0	1	5.65	3		1	1	1
1290	107823	223878	570411	0	1	5.14	3		1	1	1

1291	107824	224858	570411	0	1	4.03	3	1	2	2
1292	107825	224878	570411	0	1	5.47	3	1	2	2
1293	107844	222858	570401	0	1	9.57	4	1	2	2
1294	107845	222878	570401	0	1	9.57	4	1	2	2
1295	107846	223058	570401	0	1	8.33	4	1	2	2
1296	107847	223178	570401	0	1	3.08	2	1	1	1
1297	107848	223198	570401	0	1	1.90	1	1	1	1
1298	107849	223248	570401	0	1	8.15	4	1	1	1
1299	107850	223268	570401	0	1	6.47	4	1	2	2
1300	107851	223448	570401	0	1	6.84	4	1	1	1
1301	107852	223468	570401	0	1	14.41	4	1	1	1
1302	107853	223868	570401	0	1	5.41	3	1	1	1
1303	107854	223888	570401	0	1	5.70	3	1	1	1
1304	107855	224858	570401	0	1	5.40	3	1	2	2
1305	107856	224878	570401	0	1	5.47	3	1	2	2
1306	107871	222858	570391	0	1	9.37	4	1	2	2
1307	107872	222878	570391	0	1	9.58	4	1	2	2
1308	107873	223058	570391	0	1	7.47	4	1	2	2
1309	107874	223168	570391	0	1	4.38	3	1	2	2
1310	107875	223188	570391	0	1	2.38	2	1	1	1
1311	107876	223208	570391	0	1	1.40	1	1	1	1
1312	107877	223228	570391	0	1	4.77	3	1	1	1
1313	107878	223248	570391	0	1	7.56	4	1	1	1
1314	107879	223268	570391	0	1	4.48	3	1	2	2
1315	107880	223458	570391	0	1	11.09	4	1	1	1
1316	107881	223478	570391	0	1	13.84	4	1	1	1
1317	107882	223888	570391	0	1	5.56	3	1	1	1
1318	107883	224848	570391	0	1	5.39	3	1	1	1
1319	107884	224868	570391	0	1	5.41	3	1	1	1
1320	107895	222858	570381	0	1	8.66	4	1	2	2
1321	107896	222878	570381	0	1	9.47	4	1	1	1
1322	107897	222898	570381	0	1	7.52	4	1	1	1
1323	107898	223158	570381	0	1	5.04	3	1	1	1
1324	107899	223178	570381	0	1	3.40	2	1	1	1
1325	107900	223198	570381	0	1	1.20	1	1	1	1
1326	107901	223218	570381	0	1	4.07	3	1	1	1
1327	107902	223238	570381	0	1	7.29	4	1	1	1
1328	107903	223258	570381	0	1	5.46	3	1	1	1
1329	107904	223438	570381	0	1	7.60	4	1	1	1
1330	107905	223458	570381	0	1	10.60	4	1	1	1
1331	107906	223888	570381	0	1	4.11	3	1	1	1
1332	107907	224818	570381	0	1	4.57	3	1	2	2
1333	107913	222848	570371	0	1	8.59	4	1	1	1
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1335	107915	222888	570371	0	1	8.60	4	1	1	1
1336	107916	222908	570371	0	1	7.86	4	1	1	1
1337	107917	223168	570371	0	1	5.09	3	1	1	1
1338	107918	223188	570371	0	1	2.16	2	1	1	1
1339	107919	223208	570371	0	1	4.07	3	1	1	1
1340	107920	223228	570371	0	1	4.96	3	1	1	1
1341	107921	223248	570371	0	1	6.40	4	1	1	1
1342	107922	223438	570371	0	1	10.24	4	1	1	1
1343	107923	223458	570371	0	1	10.31	4	1	1	1
1344	107924	223888	570371	0	1	4.03	3	1	1	1
1345	107931	222858	570361	0	1	8.52	4	1	1	1
1346	107932	222878	570361	0	1	8.32	4	1	1	1
1347	107933	222898	570361	0	1	8.20	4	1	1	1
1348	107934	223168	570361	0	1	4.47	3	1	1	1
1349	107935	223188	570361	0	1	2.37	2	1	1	1
1350	107936	223208	570361	0	1	4.43	3	1	1	1
1351	107937	223228	570361	0	1	4.96	3	1	1	1
1352	107938	223248	570361	0	1	5.70	3	1	1	1
1353	107939	223458	570361	0	1	10.02	4	1	1	1

1354	107945	222868	570351	0	1	8.31	4	1	1	1
1355	107946	222888	570351	0	1	7.41	4	1	1	1
1356	107947	222908	570351	0	1	8.75	4	1	1	1
1357	107948	223178	570351	0	1	2.89	2	1	1	1
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1359	107950	223218	570351	0	1	4.48	3	1	1	1
1360	107951	223238	570351	0	1	5.80	3	1	1	1
1361	107955	222868	570341	0	1	7.47	4	1	1	1
1362	107956	222888	570341	0	1	7.41	4	1	1	1
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1364	107958	223148	570341	0	1	4.55	3	1	1	1
1365	107959	223198	570341	0	1	4.29	3	1	1	1
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1368	107962	224768	570341	0	1	6.21	4	1	2	2
1369	107964	222868	570331	0	1	7.41	4	1	1	1
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1371	107966	222908	570331	0	1	5.79	3	1	1	1
1372	107967	222928	570331	0	1	6.32	4	1	1	1
1373	107968	223028	570331	0	1	14.96	4	1	2	2
1374	107969	223188	570331	0	1	3.15	2	1	1	1
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1376	107971	223228	570331	0	1	4.95	3	1	1	1
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1379	107974	224818	570331	0	1	2.78	2	1	2	2
1380	107978	222878	570321	0	1	7.45	4	1	1	1
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1382	107980	222918	570321	0	1	5.43	3	1	1	1
1383	107981	223028	570321	0	1	16.23	5	1	2	2
1384	107982	223048	570321	0	1	8.29	4	1	2	2
1385	107983	223208	570321	0	1	3.89	2	1	1	1
1386	107984	223228	570321	0	1	5.26	3	1	1	1
1387	107985	223418	570321	0	1	9.49	4	1	1	1
1388	107986	223438	570321	0	1	7.64	4	1	1	1
1389	107987	224818	570321	0	1	2.69	2	1	2	2
1390	107988	224918	570321	0	1	4.76	3	1	1	1
1391	107994	222888	570311	0	1	7.08	4	1	1	1
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1393	107996	222928	570311	0	1	5.23	3	1	1	1
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1395	107998	223038	570311	0	1	7.56	4	1	2	2
1396	107999	223198	570311	0	1	3.97	2	1	1	1
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1401	108004	224808	570311	0	1	2.69	2	1	2	2
1402	108005	224908	570311	0	1	3.34	2	1	1	1
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1407	108019	222908	570301	0	1	5.83	3	1	1	1
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1410	108022	223018	570301	0	1	16.58	5	1	2	2
1411	108023	223038	570301	0	1	7.18	4	1	2	2
1412	108024	223468	570301	0	1	6.66	4	1	1	1
1413	108025	223558	570301	0	1	4.55	3	1	1	1
1414	108026	223658	570301	0	1	5.55	3	1	1	1
1415	108027	223678	570301	0	1	7.10	4	1	1	1
1416	108028	224798	570301	0	1	2.76	2	1	2	2

1417	108029	224908	570301	0	1	3.28	2	1	1	1
1418	108030	224928	570301	0	1	6.61	4	1	1	1
1419	108043	222838	570291	0	1	5.18	3	1	1	1
1420	108044	222858	570291	0	1	5.12	3	1	1	1
1421	108045	222878	570291	0	1	5.04	3	1	1	1
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1424	108048	222938	570291	0	1	5.74	3	1	1	1
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1426	108050	223028	570291	0	1	7.93	4	1	2	2
1427	108051	223218	570291	0	1	4.73	3	1	1	1
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1437	108075	222718	570281	0	1	9.97	4	1	1	1
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1442	108080	222928	570281	0	1	4.64	3	1	1	1
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1445	108083	223438	570281	0	1	6.78	4	1	1	1
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1447	108085	223538	570281	0	1	6.44	4	1	1	1
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1454	108111	222588	570271	0	1	6.42	4	1	1	1
1455	108112	222688	570271	0	1	10.34	4	1	1	1
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1457	108114	222848	570271	0	1	5.19	3	1	1	1
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1461	108118	222928	570271	0	1	5.37	3	1	1	1
1462	108119	222948	570271	0	1	6.52	4	1	1	1
1463	108120	222968	570271	0	1	8.58	4	1	1	1
1464	108121	223018	570271	0	1	9.45	4	1	2	2
1465	108122	223038	570271	0	1	3.28	2	1	2	2
1466	108123	223538	570271	0	1	6.46	4	1	1	1
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1468	108125	223578	570271	0	1	4.38	3	1	1	1
1469	108126	223668	570271	0	1	7.59	4	1	1	1
1470	108127	223688	570271	0	1	5.77	3	1	1	1
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1473	108130	224888	570271	0	1	2.64	2	1	1	1
1474	108131	224908	570271	0	1	2.72	2	1	1	1
1475	108132	224948	570271	0	1	5.93	3	1	1	1
1476	108152	222568	570261	0	1	6.89	4	1	1	1
1477	108153	222588	570261	0	1	6.89	4	1	1	1
1478	108154	222608	570261	0	1	6.83	4	1	1	1
1479	108155	222688	570261	0	1	11.66	4	1	1	1

1480	108156	222708	570261	0	1	11.42	4	1	1	1
1481	108157	222848	570261	0	1	5.14	3	1	1	1
1482	108158	222868	570261	0	1	4.76	3	1	1	1
1483	108159	222888	570261	0	1	4.47	3	1	1	1
1484	108160	222908	570261	0	1	4.22	3	1	1	1
1485	108161	222928	570261	0	1	6.40	4	1	1	1
1486	108162	222948	570261	0	1	6.75	4	1	1	1
1487	108163	222968	570261	0	1	8.53	4	1	1	1
1488	108164	222988	570261	0	1	9.60	4	1	1	1
1489	108165	223018	570261	0	1	6.02	4	1	2	2
1490	108166	223488	570261	0	1	7.63	4	1	1	1
1491	108167	223538	570261	0	1	6.46	4	1	1	1
1492	108168	223558	570261	0	1	7.19	4	1	1	1
1493	108169	223578	570261	0	1	5.28	3	1	1	1
1494	108170	223658	570261	0	1	7.63	4	1	1	1
1495	108171	223678	570261	0	1	10.20	4	1	1	1
1496	108172	224688	570261	0	1	4.44	3	1	2	2
1497	108173	224748	570261	0	1	5.90	3	1	1	1
1498	108174	224768	570261	0	1	5.02	3	1	1	1
1499	108175	224788	570261	0	1	4.22	3	1	1	1
1500	108176	224878	570261	0	1	2.96	2	1	1	1
1501	108177	224898	570261	0	1	2.35	2	1	1	1
1502	108178	224918	570261	0	1	2.59	2	1	1	1
1503	108179	224958	570261	0	1	7.39	4	1	1	1
1504	108197	222578	570251	0	1	6.90	4	1	1	1
1505	108198	222598	570251	0	1	6.79	4	1	1	1
1506	108199	222678	570251	0	1	9.64	4	1	1	1
1507	108200	222698	570251	0	1	11.64	4	1	1	1
1508	108201	222718	570251	0	1	6.86	4	1	1	1
1509	108202	222858	570251	0	1	4.71	3	1	1	1
1510	108203	222878	570251	0	1	4.67	3	1	1	1
1511	108204	222898	570251	0	1	3.62	2	1	1	1
1512	108205	222918	570251	0	1	4.68	3	1	1	1
1513	108206	222938	570251	0	1	6.70	4	1	1	1
1514	108207	222958	570251	0	1	6.73	4	1	1	1
1515	108208	223458	570251	0	1	6.68	4	1	1	1
1516	108209	223498	570251	0	1	7.63	4	1	1	1
1517	108210	223538	570251	0	1	6.53	4	1	1	1
1518	108211	223558	570251	0	1	7.31	4	1	1	1
1519	108212	223578	570251	0	1	6.29	4	1	1	1
1520	108213	223648	570251	0	1	6.38	4	1	1	1
1521	108214	223668	570251	0	1	10.26	4	1	1	1
1522	108215	223688	570251	0	1	4.77	3	1	1	1
1523	108216	224868	570251	0	1	3.18	2	1	1	1
1524	108217	224888	570251	0	1	2.66	2	1	1	1
1525	108218	224948	570251	0	1	6.99	4	1	1	1
1526	108219	224968	570251	0	1	7.71	4	1	1	1
1527	108230	222578	570241	0	1	6.79	4	1	1	1
1528	108231	222648	570241	0	1	7.40	4	1	1	1
1529	108232	222668	570241	0	1	8.80	4	1	1	1
1530	108233	222688	570241	0	1	11.71	4	1	1	1
1531	108234	222708	570241	0	1	9.12	4	1	1	1
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1534	108237	222908	570241	0	1	4.20	3	1	1	1
1535	108238	222928	570241	0	1	6.28	4	1	1	1
1536	108239	222948	570241	0	1	6.66	4	1	1	1
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1538	108241	223488	570241	0	1	7.61	4	1	1	1
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1540	108243	223528	570241	0	1	7.32	4	1	1	1
1541	108244	223548	570241	0	1	7.27	4	1	1	1
1542	108245	223568	570241	0	1	7.27	4	1	1	1

1543	108246	223588	570241	0	1	4.25	3	1	1	1
1544	108247	223648	570241	0	1	7.64	4	1	1	1
1545	108248	223668	570241	0	1	10.02	4	1	1	1
1546	108249	223688	570241	0	1	5.10	3	1	1	1
1547	108250	224808	570241	0	1	4.88	3	1	1	1
1548	108251	224868	570241	0	1	3.18	2	1	1	1
1549	108252	224948	570241	0	1	3.12	2	1	1	1
1550	108253	224968	570241	0	1	9.11	4	1	1	1
1551	108265	222578	570231	0	1	6.80	4	1	1	1
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1556	108270	222858	570231	0	1	4.88	3	1	1	1
1557	108271	222878	570231	0	1	4.66	3	1	1	1
1558	108272	222898	570231	0	1	4.20	3	1	1	1
1559	108273	222918	570231	0	1	5.49	3	1	1	1
1560	108274	222938	570231	0	1	6.28	4	1	1	1
1561	108275	222958	570231	0	1	6.55	4	1	1	1
1562	108276	223468	570231	0	1	7.57	4	1	1	1
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1565	108279	223528	570231	0	1	7.69	4	1	1	1
1566	108280	223548	570231	0	1	7.30	4	1	1	1
1567	108281	223568	570231	0	1	7.25	4	1	1	1
1568	108282	223588	570231	0	1	5.05	3	1	1	1
1569	108283	223628	570231	0	1	5.46	3	1	1	1
1570	108284	223648	570231	0	1	8.83	4	1	1	1
1571	108285	223668	570231	0	1	9.46	4	1	1	1
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1573	108287	224798	570231	0	1	4.30	3	1	1	1
1574	108288	224818	570231	0	1	5.46	3	1	1	1
1575	108289	224928	570231	0	1	2.12	2	1	1	1
1576	108290	224948	570231	0	1	2.18	2	1	1	1
1577	108291	224968	570231	0	1	9.18	4	1	1	1
1578	108305	222578	570221	0	1	5.08	3	1	1	1
1579	108306	222598	570221	0	1	5.90	3	1	1	1
1580	108307	222618	570221	0	1	6.12	4	1	1	1
1581	108308	222638	570221	0	1	6.68	4	1	1	1
1582	108309	222658	570221	0	1	8.91	4	1	1	1
1583	108310	222678	570221	0	1	11.50	4	1	1	1
1584	108311	222698	570221	0	1	10.68	4	1	1	1
1585	108312	222888	570221	0	1	4.20	3	1	1	1
1586	108313	222908	570221	0	1	4.70	3	1	1	1
1587	108314	222928	570221	0	1	6.26	4	1	1	1
1588	108315	222948	570221	0	1	6.23	4	1	1	1
1589	108316	222968	570221	0	1	7.12	4	1	1	1
1590	108317	223478	570221	0	1	7.60	4	1	1	1
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1592	108319	223518	570221	0	1	7.57	4	1	1	1
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1594	108321	223558	570221	0	1	7.47	4	1	1	1
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1596	108323	223598	570221	0	1	3.55	2	1	1	1
1597	108324	223648	570221	0	1	8.95	4	1	1	1
1598	108325	223668	570221	0	1	8.97	4	1	1	1
1599	108326	223688	570221	0	1	6.81	4	1	1	1
1600	108327	224828	570221	0	1	3.20	2	1	1	1
1601	108328	224928	570221	0	1	2.77	2	1	1	1
1602	108329	224948	570221	0	1	1.72	1	1	1	1
1603	108330	224968	570221	0	1	7.96	4	1	1	1
1604	108331	224988	570221	0	1	8.88	4	1	1	1
1605	108347	222568	570211	0	1	4.87	3	1	1	1

1606	108348	222588	570211	0	1	5.47	3	1	1	1
1607	108349	222608	570211	0	1	5.54	3	1	1	1
1608	108350	222628	570211	0	1	5.69	3	1	1	1
1609	108351	222648	570211	0	1	9.10	4	1	1	1
1610	108352	222668	570211	0	1	10.46	4	1	1	1
1611	108353	222688	570211	0	1	11.55	4	1	1	1
1612	108354	222918	570211	0	1	5.53	3	1	1	1
1613	108355	222938	570211	0	1	6.28	4	1	1	1
1614	108356	222958	570211	0	1	6.99	4	1	1	1
1615	108357	223468	570211	0	1	7.52	4	1	1	1
1616	108358	223488	570211	0	1	7.57	4	1	1	1
1617	108359	223508	570211	0	1	7.59	4	1	1	1
1618	108360	223528	570211	0	1	7.71	4	1	1	1
1619	108361	223548	570211	0	1	7.61	4	1	1	1
1620	108362	223568	570211	0	1	7.54	4	1	1	1
1621	108363	223588	570211	0	1	6.10	4	1	1	1
1622	108364	223618	570211	0	1	2.95	2	1	1	1
1623	108365	223638	570211	0	1	8.77	4	1	1	1
1624	108366	223658	570211	0	1	8.91	4	1	1	1
1625	108367	223678	570211	0	1	8.93	4	1	1	1
1626	108368	224918	570211	0	1	3.76	2	1	1	1
1627	108369	224938	570211	0	1	0.11	1	1	1	1
1628	108370	224958	570211	0	1	1.20	1	1	1	1
1629	108371	224978	570211	0	1	8.83	4	1	1	1
1630	108389	222588	570201	0	1	5.48	3	1	1	1
1631	108390	222608	570201	0	1	5.02	3	1	1	1
1632	108391	222628	570201	0	1	7.04	4	1	1	1
1633	108392	222648	570201	0	1	8.79	4	1	1	1
1634	108393	222668	570201	0	1	11.30	4	1	1	1
1635	108394	222688	570201	0	1	8.27	4	1	1	1
1636	108395	222928	570201	0	1	6.28	4	1	1	1
1637	108396	222948	570201	0	1	7.47	4	1	1	1
1638	108397	222968	570201	0	1	7.58	4	1	1	1
1639	108398	223478	570201	0	1	7.54	4	1	1	1
1640	108399	223498	570201	0	1	7.60	4	1	1	1
1641	108400	223518	570201	0	1	7.57	4	1	1	1
1642	108401	223538	570201	0	1	8.06	4	1	1	1
1643	108402	223558	570201	0	1	7.66	4	1	1	1
1644	108403	223578	570201	0	1	7.58	4	1	1	1
1645	108404	223598	570201	0	1	2.93	2	1	1	1
1646	108405	223618	570201	0	1	3.92	2	1	1	1
1647	108406	223638	570201	0	1	8.54	4	1	1	1
1648	108407	223658	570201	0	1	8.93	4	1	1	1
1649	108408	223678	570201	0	1	10.02	4	1	1	1
1650	108409	224918	570201	0	1	2.25	2	1	1	1
1651	108410	224938	570201	0	1	2.05	2	1	1	1
1652	108411	224958	570201	0	1	1.44	1	1	1	1
1653	108412	224978	570201	0	1	6.31	4	1	1	1
1654	108413	224998	570201	0	1	6.19	4	1	1	1
1655	108429	222588	570191	0	1	5.50	3	1	1	1
1656	108430	222608	570191	0	1	5.73	3	1	1	1
1657	108431	222628	570191	0	1	7.09	4	1	1	1
1658	108432	222648	570191	0	1	8.55	4	1	1	1
1659	108433	222668	570191	0	1	10.70	4	1	1	1
1660	108434	222928	570191	0	1	7.23	4	1	1	1
1661	108435	222948	570191	0	1	7.67	4	1	1	1
1662	108436	223478	570191	0	1	7.52	4	1	1	1
1663	108437	223498	570191	0	1	7.59	4	1	1	1
1664	108438	223518	570191	0	1	7.61	4	1	1	1
1665	108439	223538	570191	0	1	8.08	4	1	1	1
1666	108440	223558	570191	0	1	7.66	4	1	1	1
1667	108441	223578	570191	0	1	7.61	4	1	1	1
1668	108442	223598	570191	0	1	3.46	2	1	1	1

1669	108443	223618	570191	0	1	4.35	3	1	1	1
1670	108444	223638	570191	0	1	8.02	4	1	1	1
1671	108445	223658	570191	0	1	10.22	4	1	1	1
1672	108446	223678	570191	0	1	10.16	4	1	1	1
1673	108447	224928	570191	0	1	2.91	2	1	1	1
1674	108448	224948	570191	0	1	2.33	2	1	1	1
1675	108449	224968	570191	0	1	1.59	1	1	1	1
1676	108450	224988	570191	0	1	5.96	3	1	1	1
1677	108451	225008	570191	0	1	9.29	4	1	1	1
1678	108464	222578	570181	0	1	5.67	3	1	1	1
1679	108465	222598	570181	0	1	4.98	3	1	1	1
1680	108466	222618	570181	0	1	6.56	4	1	1	1
1681	108467	222638	570181	0	1	8.43	4	1	1	1
1682	108468	222658	570181	0	1	9.10	4	1	1	1
1683	108469	222928	570181	0	1	6.96	4	1	1	1
1684	108470	222948	570181	0	1	6.96	4	1	1	1
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1686	108472	223498	570181	0	1	7.58	4	1	1	1
1687	108473	223528	570181	0	1	7.73	4	1	1	1
1688	108474	223548	570181	0	1	7.92	4	1	1	1
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1690	108476	223588	570181	0	1	5.60	3	1	1	1
1691	108477	223608	570181	0	1	3.20	2	1	1	1
1692	108478	223628	570181	0	1	5.15	3	1	1	1
1693	108479	223648	570181	0	1	10.51	4	1	1	1
1694	108480	223668	570181	0	1	10.46	4	1	1	1
1695	108481	224798	570181	0	1	6.81	4	1	1	1
1696	108482	224948	570181	0	1	3.43	2	1	1	1
1697	108483	224968	570181	0	1	1.51	1	1	1	1
1698	108484	224988	570181	0	1	5.97	3	1	1	1
1699	108485	225008	570181	0	1	5.53	3	1	1	1
1700	108498	222578	570171	0	1	5.65	3	1	1	1
1701	108499	222598	570171	0	1	4.59	3	1	1	1
1702	108500	222618	570171	0	1	6.82	4	1	1	1
1703	108501	222658	570171	0	1	8.61	4	1	1	1
1704	108502	222918	570171	0	1	6.30	4	1	1	1
1705	108503	222938	570171	0	1	6.60	4	1	1	1
1706	108504	223478	570171	0	1	7.52	4	1	1	1
1707	108505	223528	570171	0	1	7.71	4	1	1	1
1708	108506	223548	570171	0	1	8.06	4	1	1	1
1709	108507	223568	570171	0	1	7.50	4	1	1	1
1710	108508	223588	570171	0	1	5.60	3	1	1	1
1711	108509	223608	570171	0	1	3.55	2	1	1	1
1712	108510	223628	570171	0	1	5.29	3	1	1	1
1713	108511	223648	570171	0	1	10.56	4	1	1	1
1714	108512	223668	570171	0	1	10.28	4	1	1	1
1715	108513	224988	570171	0	1	5.99	3	1	1	1
1716	108514	225008	570171	0	1	7.62	4	1	1	1
1717	108527	222568	570161	0	1	3.25	2	1	1	1
1718	108528	222588	570161	0	1	5.48	3	1	1	1
1719	108529	222608	570161	0	1	6.80	4	1	1	1
1720	108530	222928	570161	0	1	5.68	3	1	1	1
1721	108531	223468	570161	0	1	7.52	4	1	1	1
1722	108532	223538	570161	0	1	8.08	4	1	1	1
1723	108533	223558	570161	0	1	7.79	4	1	1	1
1724	108534	223578	570161	0	1	5.64	3	1	1	1
1725	108535	223598	570161	0	1	3.75	2	1	1	1
1726	108536	223618	570161	0	1	4.54	3	1	1	1
1727	108537	223638	570161	0	1	8.97	4	1	1	1
1728	108538	223658	570161	0	1	11.43	4	1	1	1
1729	108539	223678	570161	0	1	7.05	4	1	1	1
1730	108540	224988	570161	0	1	5.93	3	1	1	1
1731	108541	225008	570161	0	1	7.62	4	1	1	1

1732	108553	222558	570151	0	1	3.25	2	1	3	3
1733	108554	222578	570151	0	1	3.52	2	1	1	1
1734	108555	222598	570151	0	1	6.11	4	1	1	1
1735	108556	222918	570151	0	1	7.47	4	1	2	2
1736	108557	222938	570151	0	1	5.83	3	1	2	2
1737	108558	223448	570151	0	1	4.04	3	1	1	1
1738	108559	223468	570151	0	1	7.52	4	1	1	1
1739	108560	223538	570151	0	1	8.08	4	1	1	1
1740	108561	223558	570151	0	1	7.57	4	1	1	1
1741	108562	223578	570151	0	1	5.90	3	1	1	1
1742	108563	223598	570151	0	1	3.84	2	1	1	1
1743	108564	223618	570151	0	1	5.39	3	1	1	1
1744	108565	223638	570151	0	1	9.74	4	1	1	1
1745	108566	223658	570151	0	1	11.75	4	1	1	1
1746	108567	224988	570151	0	1	5.83	3	1	1	1
1747	108568	225008	570151	0	1	6.72	4	1	1	1
1748	108578	222568	570141	0	1	3.25	2	1	3	3
1749	108579	222588	570141	0	1	3.49	2	1	1	1
1750	108580	223448	570141	0	1	4.06	3	1	1	1
1751	108581	223468	570141	0	1	7.52	4	1	1	1
1752	108582	223488	570141	0	1	7.52	4	1	1	1
1753	108583	223518	570141	0	1	7.57	4	1	1	1
1754	108584	223618	570141	0	1	6.65	4	1	1	1
1755	108585	223638	570141	0	1	9.71	4	1	1	1
1756	108586	223658	570141	0	1	11.80	4	1	1	1
1757	108587	224798	570141	0	1	6.85	4	1	1	1
1758	108588	224818	570141	0	1	5.05	3	1	1	1
1759	108589	225008	570141	0	1	7.22	4	1	1	1
1760	108596	222568	570131	0	1	2.31	2	1	3	3
1761	108597	222588	570131	0	1	1.77	1	1	1	1
1762	108598	223448	570131	0	1	4.28	3	1	1	1
1763	108599	223468	570131	0	1	7.52	4	1	1	1
1764	108600	223488	570131	0	1	7.52	4	1	1	1
1765	108601	223508	570131	0	1	7.52	4	1	1	1
1766	108602	223528	570131	0	1	7.68	4	1	1	1
1767	108603	223638	570131	0	1	9.85	4	1	1	1
1768	108604	223658	570131	0	1	10.71	4	1	1	1
1769	108605	224798	570131	0	1	6.40	4	1	1	1
1770	108606	224818	570131	0	1	6.25	4	1	1	1
1771	108607	224838	570131	0	1	4.63	3	1	1	1
1772	108608	224968	570131	0	1	5.85	3	1	1	1
1773	108609	224988	570131	0	1	2.68	2	1	1	1
1774	108615	223448	570121	0	1	4.48	3	1	1	1
1775	108616	223468	570121	0	1	7.52	4	1	1	1
1776	108617	223488	570121	0	1	7.52	4	1	1	1
1777	108618	223508	570121	0	1	7.52	4	1	1	1
1778	108619	223528	570121	0	1	7.58	4	1	1	1
1779	108620	223638	570121	0	1	10.11	4	1	1	1
1780	108621	223658	570121	0	1	6.74	4	1	1	1
1781	108622	224808	570121	0	1	4.18	3	1	1	1
1782	108623	224828	570121	0	1	5.61	3	1	1	1
1783	108624	224938	570121	0	1	3.58	2	1	1	1
1784	108625	224958	570121	0	1	5.88	3	1	1	1
1785	108626	224978	570121	0	1	2.68	2	1	1	1
1786	108627	224998	570121	0	1	11.33	4	1	1	1
1787	108634	223468	570111	0	1	7.55	4	1	1	1
1788	108635	223488	570111	0	1	7.59	4	1	1	1
1789	108636	223508	570111	0	1	7.58	4	1	1	1
1790	108637	223528	570111	0	1	7.01	4	1	1	1
1791	108638	223648	570111	0	1	8.37	4	1	1	1
1792	108639	224808	570111	0	1	2.82	2	1	1	1
1793	108640	224828	570111	0	1	4.49	3	1	1	1
1794	108641	224938	570111	0	1	5.19	3	1	1	1

1795	108642	224958	570111	0	1	4.98	3	1	1	1
1796	108643	224978	570111	0	1	2.46	2	1	1	1
1797	108644	224998	570111	0	1	11.11	4	1	1	1
1798	108650	223458	570101	0	1	7.28	4	1	1	1
1799	108651	223478	570101	0	1	7.57	4	1	1	1
1800	108652	223498	570101	0	1	7.64	4	1	1	1
1801	108653	223518	570101	0	1	7.57	4	1	1	1
1802	108654	223648	570101	0	1	7.33	4	1	1	1
1803	108655	224918	570101	0	1	7.79	4	1	1	1
1804	108656	224938	570101	0	1	8.53	4	1	1	1
1805	108657	224958	570101	0	1	3.68	2	1	1	1
1806	108658	224978	570101	0	1	1.58	1	1	1	1
1807	108659	224998	570101	0	1	10.55	4	1	1	1
1808	108668	223478	570091	0	1	7.57	4	1	1	1
1809	108669	223498	570091	0	1	7.59	4	1	1	1
1810	108670	223518	570091	0	1	7.57	4	1	1	1
1811	108671	223648	570091	0	1	6.65	4	1	1	1
1812	108672	224908	570091	0	1	7.71	4	1	1	1
1813	108673	224928	570091	0	1	7.68	4	1	1	1
1814	108674	224948	570091	0	1	2.46	2	1	1	1
1815	108675	224968	570091	0	1	1.71	1	1	1	1
1816	108676	224988	570091	0	1	1.60	1	1	1	1
1817	108682	223508	570081	0	1	7.63	4	1	1	1
1818	108683	223528	570081	0	1	6.23	4	1	1	1
1819	108684	223558	570081	0	1	5.64	3	1	1	1
1820	108685	224888	570081	0	1	3.24	2	1	1	1
1821	108686	224908	570081	0	1	7.58	4	1	1	1
1822	108687	224928	570081	0	1	4.94	3	1	1	1
1823	108688	224948	570081	0	1	1.27	1	1	1	1
1824	108694	223508	570071	0	1	7.57	4	1	1	1
1825	108695	223528	570071	0	1	6.24	4	1	1	1
1826	108696	223548	570071	0	1	5.69	3	1	1	1
1827	108697	224868	570071	0	1	2.18	2	1	1	1
1828	108698	224888	570071	0	1	4.63	3	1	1	1
1829	108699	224908	570071	0	1	5.88	3	1	1	1
1830	108700	224928	570071	0	1	5.27	3	1	1	1
1831	108705	223488	570061	0	1	7.29	4	1	1	1
1832	108706	223508	570061	0	1	7.57	4	1	1	1
1833	108707	223528	570061	0	1	6.25	4	1	1	1
1834	108708	223548	570061	0	1	5.57	3	1	1	1
1835	108709	224868	570061	0	1	3.08	2	1	1	1
1836	108710	224888	570061	0	1	4.92	3	1	1	1
1837	108711	224908	570061	0	1	5.59	3	1	1	1
1838	108718	223478	570051	0	1	6.58	4	1	2	2
1839	108719	223498	570051	0	1	7.48	4	1	1	1
1840	108720	223538	570051	0	1	5.57	3	1	1	1
1841	108721	224858	570051	0	1	4.35	3	1	1	1
1842	108722	224878	570051	0	1	4.95	3	1	1	1
1843	108723	224898	570051	0	1	5.07	3	1	1	1
1844	108728	222488	570041	0	1	5.81	3	1	3	3
1845	108729	223478	570041	0	1	6.58	4	1	2	2
1846	108730	224868	570041	0	1	8.45	4	1	1	1
1847	108731	224938	570041	0	1	1.51	1	1	1	1
1848	108734	224858	570031	0	1	5.28	3	1	1	1
1849	108735	224908	570031	0	1	2.79	2	1	1	1
1850	108736	224928	570031	0	1	4.85	3	1	1	1
1851	108740	223928	570021	0	1	4.84	3	1	1	1
1852	108741	223948	570021	0	1	1.03	1	1	2	2
1853	108742	224888	570021	0	1	5.57	3	1	1	1
1854	108743	224908	570021	0	1	4.73	3	1	1	1
1855	108744	224948	570021	0	1	2.69	2	1	1	1
1856	108745	224998	570021	0	1	6.51	4	1	1	1
1857	108748	223918	570011	0	1	5.50	3	1	1	1

1858	108749	223938	570011	0	1	4.34	3	1	1	1
1859	108750	224888	570011	0	1	6.85	4	1	1	1
1860	108751	224908	570011	0	1	4.75	3	1	1	1
1861	108752	224948	570011	0	1	2.48	2	1	1	1
1862	108753	224988	570011	0	1	8.14	4	1	1	1
1863	108756	223518	570001	0	1	6.08	4	1	2	2
1864	108757	223918	570001	0	1	5.10	3	1	2	2
1865	108758	223938	570001	0	1	4.53	3	1	2	2
1866	108759	223958	570001	0	1	4.36	3	1	2	2
1867	108760	224888	570001	0	1	10.00	4	1	1	1
1868	108761	224908	570001	0	1	5.59	3	1	1	1
1869	108762	224938	570001	0	1	2.48	2	1	1	1
1870	108763	224978	570001	0	1	6.45	4	1	1	1
1871	108764	224998	570001	0	1	6.00	3	1	1	1
1872	108769	223518	569991	0	1	5.64	3	1	2	2
1873	108770	223928	569991	0	1	4.54	3	1	2	2
1874	108771	223948	569991	0	1	5.09	3	1	2	2
1875	108772	224888	569991	0	1	9.78	4	1	1	1
1876	108773	224908	569991	0	1	5.97	3	1	1	1
1877	108774	224928	569991	0	1	7.82	4	1	1	1
1878	108775	224948	569991	0	1	6.24	4	1	1	1
1879	108776	224988	569991	0	1	5.50	3	1	1	1
1880	108777	225008	569991	0	1	5.55	3	1	1	1
1881	108782	223488	569981	0	1	5.70	3	1	2	2
1882	108783	223508	569981	0	1	5.68	3	1	2	2
1883	108784	223918	569981	0	1	4.59	3	1	2	2
1884	108785	224888	569981	0	1	2.90	2	1	1	1
1885	108786	224908	569981	0	1	8.60	4	1	1	1
1886	108787	224928	569981	0	1	7.78	4	1	1	1
1887	108788	224968	569981	0	1	0.66	1	1	1	1
1888	108789	224988	569981	0	1	4.05	3	1	1	1
1889	108800	223488	569971	0	1	5.64	3	1	2	2
1890	108801	223508	569971	0	1	5.73	3	1	2	2
1891	108802	223908	569971	0	1	4.73	3	1	2	2
1892	108803	224968	569971	0	1	2.62	2	1	1	1
1893	108804	225008	569971	0	1	5.56	3	1	1	1
1894	108815	223488	569961	0	1	5.70	3	1	2	2
1895	108816	223908	569961	0	1	4.86	3	1	2	2
1896	108817	223968	569961	0	1	4.71	3	1	2	2
1897	108818	224888	569961	0	1	1.72	1	1	1	1
1898	108831	223898	569951	0	1	3.51	2	1	2	2
1899	108832	223968	569951	0	1	4.70	3	1	2	2
1900	108833	223998	569951	0	1	4.70	3	1	2	2
1901	108834	224888	569951	0	1	4.35	3	1	1	1
1902	108835	225008	569951	0	1	2.96	2	1	1	1
1903	108848	223828	569941	0	1	3.52	2	1	2	2
1904	108849	223888	569941	0	1	3.85	2	1	2	2
1905	108850	223908	569941	0	1	1.63	1	1	2	2
1906	108851	223968	569941	0	1	4.75	3	1	2	2
1907	108852	224838	569941	0	1	1.17	1	1	2	2
1908	108853	224858	569941	0	1	3.84	2	1	2	2
1909	108854	224878	569941	0	1	4.35	3	1	1	1
1910	108855	224898	569941	0	1	3.18	2	1	1	1
1911	108856	224998	569941	0	1	6.83	4	1	1	1
1912	108870	223828	569931	0	1	3.54	2	1	2	2
1913	108871	223878	569931	0	1	3.37	2	1	2	2
1914	108872	223898	569931	0	1	3.85	2	1	2	2
1915	108873	223918	569931	0	1	1.95	1	1	2	2
1916	108874	223948	569931	0	1	5.11	3	1	2	2
1917	108875	223968	569931	0	1	4.77	3	1	2	2
1918	108876	223988	569931	0	1	4.72	3	1	2	2
1919	108877	224848	569931	0	1	4.06	3	1	2	2
1920	108878	224868	569931	0	1	4.17	3	1	2	2

1921	108879	224978	569931	0	1	5.03	3	1	1	1
1922	108880	224998	569931	0	1	4.85	3	1	1	1
1923	108893	223828	569921	0	1	3.52	2	1	2	2
1924	108894	223888	569921	0	1	3.37	2	1	2	2
1925	108895	223908	569921	0	1	3.06	2	1	2	2
1926	108896	223928	569921	0	1	1.95	1	1	2	2
1927	108897	223948	569921	0	1	4.05	3	1	2	2
1928	108898	223968	569921	0	1	4.80	3	1	2	2
1929	108899	224838	569921	0	1	4.41	3	1	2	2
1930	108900	224958	569921	0	1	4.72	3	1	1	1
1931	108913	223898	569911	0	1	3.37	2	1	2	2
1932	108914	223918	569911	0	1	1.82	1	1	2	2
1933	108915	223938	569911	0	1	1.95	1	1	2	2
1934	108916	223958	569911	0	1	3.61	2	1	2	2
1935	108917	224828	569911	0	1	7.69	4	1	2	2
1936	108918	224958	569911	0	1	4.40	3	1	1	1
1937	108928	222998	569901	0	1	5.72	3	1	2	2
1938	108929	223548	569901	0	1	6.20	4	1	2	2
1939	108930	223898	569901	0	1	2.89	2	1	2	2
1940	108931	223918	569901	0	1	1.68	1	1	2	2
1941	108932	223938	569901	0	1	1.95	1	1	1	1
1942	108933	223958	569901	0	1	2.11	2	1	1	1
1943	108934	224808	569901	0	1	1.42	1	1	2	2
1944	108942	223528	569891	0	1	6.18	4	1	2	2
1945	108943	223548	569891	0	1	6.24	4	1	2	2
1946	108944	223898	569891	0	1	2.87	2	1	1	1
1947	108945	223918	569891	0	1	2.42	2	1	1	1
1948	108946	223938	569891	0	1	4.50	3	1	1	1
1949	108947	223958	569891	0	1	5.42	3	1	1	1
1950	108951	223528	569881	0	1	5.99	3	1	2	2
1951	108952	223548	569881	0	1	6.23	4	1	2	2
1952	108953	223888	569881	0	1	2.84	2	1	1	1
1953	108954	223908	569881	0	1	3.70	2	1	1	1
1954	108955	223928	569881	0	1	4.52	3	1	1	1
1955	108956	223948	569881	0	1	5.00	3	1	1	1
1956	108960	223018	569871	0	1	6.61	4	1	2	2
1957	108961	223868	569871	0	1	3.00	2	1	1	1
1958	108962	223888	569871	0	1	3.99	2	1	1	1
1959	108963	223908	569871	0	1	4.17	3	1	1	1
1960	108964	223928	569871	0	1	4.21	3	1	1	1
1961	108965	223948	569871	0	1	3.03	2	1	1	1
1962	108969	223008	569861	0	1	6.61	4	1	2	2
1963	108970	223028	569861	0	1	6.62	4	1	2	2
1964	108971	223878	569861	0	1	4.12	3	1	1	1
1965	108972	223898	569861	0	1	4.12	3	1	1	1
1966	108973	223918	569861	0	1	4.50	3	1	1	1
1967	108974	223938	569861	0	1	4.57	3	1	1	1
1968	108978	222998	569851	0	1	6.57	4	1	2	2
1969	108979	223018	569851	0	1	6.59	4	1	2	2
1970	108980	223038	569851	0	1	4.99	3	1	2	2
1971	108981	223858	569851	0	1	4.12	3	1	1	1
1972	108982	223878	569851	0	1	4.10	3	1	1	1
1973	108983	223898	569851	0	1	4.12	3	1	1	1
1974	108984	223918	569851	0	1	4.48	3	1	1	1
1975	108985	223938	569851	0	1	4.22	3	1	1	1
1976	108986	224498	569851	0	1	10.53	4	1	2	2
1977	108991	223008	569841	0	1	6.51	4	1	2	2
1978	108992	223028	569841	0	1	6.49	4	1	2	2
1979	108993	223778	569841	0	1	4.06	3	1	1	1
1980	108994	223858	569841	0	1	4.10	3	1	1	1
1981	108995	223878	569841	0	1	4.12	3	1	1	1
1982	108996	223898	569841	0	1	4.15	3	1	1	1
1983	108997	223918	569841	0	1	4.52	3	1	1	1

1984	109001	222998	569831	0	1	6.13	4	1	2	2
1985	109002	223018	569831	0	1	6.55	4	1	2	2
1986	109003	223038	569831	0	1	4.69	3	1	2	2
1987	109004	223778	569831	0	1	4.54	3	1	1	1
1988	109005	223868	569831	0	1	3.44	2	1	1	1
1989	109006	223888	569831	0	1	4.12	3	1	1	1
1990	109007	223908	569831	0	1	4.39	3	1	1	1
1991	109008	223928	569831	0	1	2.19	2	1	1	1
1992	109009	224938	569831	0	1	3.36	2	1	2	2
1993	109013	223008	569821	0	1	6.60	4	1	2	2
1994	109014	223028	569821	0	1	6.34	4	1	1	1
1995	109015	223778	569821	0	1	4.14	3	1	1	1
1996	109016	223878	569821	0	1	1.79	1	1	1	1
1997	109017	223898	569821	0	1	2.69	2	1	1	1
1998	109018	223918	569821	0	1	1.67	1	1	1	1
1999	109019	224518	569821	0	1	7.53	4	1	2	2
2000	109024	222858	569811	0	1	10.89	4	1	1	1
2001	109025	223018	569811	0	1	6.89	4	1	1	1
2002	109026	223038	569811	0	1	4.03	3	1	1	1
2003	109027	223878	569811	0	1	1.15	1	1	1	1
2004	109028	223908	569811	0	1	1.67	1	1	1	1
2005	109029	224488	569811	0	1	9.46	4	1	2	2
2006	109030	224508	569811	0	1	7.48	4	1	2	2
2007	109034	223018	569801	0	1	6.78	4	1	1	1
2008	109035	223038	569801	0	1	3.98	2	1	1	1
2009	109036	224488	569801	0	1	9.45	4	1	2	2
2010	109037	224508	569801	0	1	4.60	3	1	1	1
2011	109042	223018	569791	0	1	6.90	4	1	1	1
2012	109043	223978	569791	0	1	2.32	2	1	1	1
2013	109044	224458	569791	0	1	9.00	4	1	2	2
2014	109045	224478	569791	0	1	9.02	4	1	1	1
2015	109046	224498	569791	0	1	4.20	3	1	1	1
2016	109047	224518	569791	0	1	3.70	2	1	1	1
2017	109052	222878	569781	0	1	9.79	4	1	1	1
2018	109053	223008	569781	0	1	6.87	4	1	1	1
2019	109054	223028	569781	0	1	6.88	4	1	1	1
2020	109055	223048	569781	0	1	3.96	2	1	1	1
2021	109056	223108	569781	0	1	5.72	3	1	1	1
2022	109057	223998	569781	0	1	2.28	2	1	1	1
2023	109058	224428	569781	0	1	4.09	3	1	2	2
2024	109059	224448	569781	0	1	8.16	4	1	1	1
2025	109060	224468	569781	0	1	8.94	4	1	1	1
2026	109061	224488	569781	0	1	6.92	4	1	1	1
2027	109062	224508	569781	0	1	5.13	3	1	1	1
2028	109068	222848	569771	0	1	11.10	4	1	1	1
2029	109069	222868	569771	0	1	11.07	4	1	1	1
2030	109070	223018	569771	0	1	6.90	4	1	1	1
2031	109071	223038	569771	0	1	4.95	3	1	1	1
2032	109072	223108	569771	0	1	5.72	3	1	1	1
2033	109073	223988	569771	0	1	2.38	2	1	1	1
2034	109074	224008	569771	0	1	2.91	2	1	1	1
2035	109075	224448	569771	0	1	9.00	4	1	1	1
2036	109076	224468	569771	0	1	7.49	4	1	1	1
2037	109077	224488	569771	0	1	6.94	4	1	1	1
2038	109078	224508	569771	0	1	5.09	3	1	1	1
2039	109083	222858	569761	0	1	11.76	4	1	1	1
2040	109084	223018	569761	0	1	6.90	4	1	1	1
2041	109085	223038	569761	0	1	5.33	3	1	1	1
2042	109086	223108	569761	0	1	5.72	3	1	1	1
2043	109087	223998	569761	0	1	2.91	2	1	1	1
2044	109088	224058	569761	0	1	2.46	2	1	1	1
2045	109089	224448	569761	0	1	8.13	4	1	1	1
2046	109090	224468	569761	0	1	6.94	4	1	1	1

2047	109091	224488	569761	0	1	6.94	4	1	1	1
2048	109092	224508	569761	0	1	5.16	3	1	1	1
2049	109099	222858	569751	0	1	11.85	4	1	1	1
2050	109100	222898	569751	0	1	8.21	4	1	1	1
2051	109101	222918	569751	0	1	6.18	4	1	1	1
2052	109102	223028	569751	0	1	6.90	4	1	1	1
2053	109103	223078	569751	0	1	6.65	4	1	1	1
2054	109104	223108	569751	0	1	5.81	3	1	1	1
2055	109105	224008	569751	0	1	2.92	2	1	1	1
2056	109106	224048	569751	0	1	2.53	2	1	1	1
2057	109107	224448	569751	0	1	6.91	4	1	1	1
2058	109108	224468	569751	0	1	6.91	4	1	1	1
2059	109109	224488	569751	0	1	6.91	4	1	1	1
2060	109110	224508	569751	0	1	5.12	3	1	1	1
2061	109117	222848	569741	0	1	7.87	4	1	1	1
2062	109118	222868	569741	0	1	10.65	4	1	1	1
2063	109119	222888	569741	0	1	8.61	4	1	1	1
2064	109120	222908	569741	0	1	8.45	4	1	1	1
2065	109121	222928	569741	0	1	4.12	3	1	1	1
2066	109122	223028	569741	0	1	6.77	4	1	1	1
2067	109123	223048	569741	0	1	6.19	4	1	1	1
2068	109124	223098	569741	0	1	6.56	4	1	1	1
2069	109125	224008	569741	0	1	2.92	2	1	1	1
2070	109126	224028	569741	0	1	2.97	2	1	1	1
2071	109127	224048	569741	0	1	2.41	2	1	1	1
2072	109128	224448	569741	0	1	6.89	4	1	1	1
2073	109129	224468	569741	0	1	6.94	4	1	1	1
2074	109130	224488	569741	0	1	6.94	4	1	1	1
2075	109131	224508	569741	0	1	5.14	3	1	1	1
2076	109139	222848	569731	0	1	8.17	4	1	1	1
2077	109140	222878	569731	0	1	8.59	4	1	1	1
2078	109141	222898	569731	0	1	8.63	4	1	1	1
2079	109142	222918	569731	0	1	8.08	4	1	1	1
2080	109143	222938	569731	0	1	4.49	3	1	1	1
2081	109144	223018	569731	0	1	6.64	4	1	1	1
2082	109145	223038	569731	0	1	6.96	4	1	1	1
2083	109146	223058	569731	0	1	6.52	4	1	1	1
2084	109147	223098	569731	0	1	6.43	4	1	1	1
2085	109148	224008	569731	0	1	2.92	2	1	1	1
2086	109149	224028	569731	0	1	2.69	2	1	1	1
2087	109150	224378	569731	0	1	3.86	2	1	2	2
2088	109151	224398	569731	0	1	3.59	2	1	1	1
2089	109152	224448	569731	0	1	6.80	4	1	1	1
2090	109153	224468	569731	0	1	6.94	4	1	1	1
2091	109154	224488	569731	0	1	6.94	4	1	1	1
2092	109155	224508	569731	0	1	5.12	3	1	1	1
2093	109163	222858	569721	0	1	8.75	4	1	1	1
2094	109164	222878	569721	0	1	8.65	4	1	1	1
2095	109165	222898	569721	0	1	8.66	4	1	1	1
2096	109166	222918	569721	0	1	8.08	4	1	1	1
2097	109167	222938	569721	0	1	4.67	3	1	1	1
2098	109168	223028	569721	0	1	7.03	4	1	1	1
2099	109169	223048	569721	0	1	6.73	4	1	1	1
2100	109170	223068	569721	0	1	6.47	4	1	1	1
2101	109171	223088	569721	0	1	6.36	4	1	1	1
2102	109172	223108	569721	0	1	6.31	4	1	1	1
2103	109173	224368	569721	0	1	5.22	3	1	2	2
2104	109174	224388	569721	0	1	3.69	2	1	1	1
2105	109175	224408	569721	0	1	4.23	3	1	1	1
2106	109176	224438	569721	0	1	6.52	4	1	1	1
2107	109177	224458	569721	0	1	6.81	4	1	1	1
2108	109178	224478	569721	0	1	6.90	4	1	1	1
2109	109179	224498	569721	0	1	6.91	4	1	1	1

2110	109180	224518	569721	0	1	5.16	3	1	1	1
2111	109188	222868	569711	0	1	8.55	4	1	1	1
2112	109189	222888	569711	0	1	8.66	4	1	1	1
2113	109190	222908	569711	0	1	8.84	4	1	1	1
2114	109191	222928	569711	0	1	6.49	4	1	1	1
2115	109192	222948	569711	0	1	4.21	3	1	1	1
2116	109193	223028	569711	0	1	6.71	4	1	1	1
2117	109194	223048	569711	0	1	7.01	4	1	1	1
2118	109195	223068	569711	0	1	6.48	4	1	1	1
2119	109196	223088	569711	0	1	6.28	4	1	1	1
2120	109197	223638	569711	0	1	0.85	1	1	2	2
2121	109198	224298	569711	0	1	3.89	2	1	2	2
2122	109199	224338	569711	0	1	5.56	3	1	2	2
2123	109200	224398	569711	0	1	4.34	3	1	1	1
2124	109201	224418	569711	0	1	6.25	4	1	1	1
2125	109202	224438	569711	0	1	6.52	4	1	1	1
2126	109203	224458	569711	0	1	6.79	4	1	1	1
2127	109204	224478	569711	0	1	6.80	4	1	1	1
2128	109205	224498	569711	0	1	6.94	4	1	1	1
2129	109213	222868	569701	0	1	8.10	4	1	1	1
2130	109214	222888	569701	0	1	8.80	4	1	1	1
2131	109215	222908	569701	0	1	8.83	4	1	1	1
2132	109216	222928	569701	0	1	7.23	4	1	1	1
2133	109217	222948	569701	0	1	4.05	3	1	1	1
2134	109218	223028	569701	0	1	6.59	4	1	1	1
2135	109219	223048	569701	0	1	6.65	4	1	1	1
2136	109220	223068	569701	0	1	8.81	4	1	1	1
2137	109221	223088	569701	0	1	5.75	3	1	1	1
2138	109222	223638	569701	0	1	0.96	1	1	2	2
2139	109223	224288	569701	0	1	3.79	2	1	2	2
2140	109224	224308	569701	0	1	4.09	3	1	2	2
2141	109225	224338	569701	0	1	5.55	3	1	2	2
2142	109226	224408	569701	0	1	5.26	3	1	1	1
2143	109227	224428	569701	0	1	6.52	4	1	1	1
2144	109228	224448	569701	0	1	6.50	4	1	1	1
2145	109229	224468	569701	0	1	6.79	4	1	1	1
2146	109230	224488	569701	0	1	6.80	4	1	1	1
2147	109231	224508	569701	0	1	5.95	3	1	1	1
2148	109239	222868	569691	0	1	6.82	4	1	1	1
2149	109240	222888	569691	0	1	8.84	4	1	1	1
2150	109241	222908	569691	0	1	8.83	4	1	1	1
2151	109242	222928	569691	0	1	7.37	4	1	1	1
2152	109243	222948	569691	0	1	3.94	2	1	1	1
2153	109244	223028	569691	0	1	6.41	4	1	1	1
2154	109245	223048	569691	0	1	6.64	4	1	1	1
2155	109246	223068	569691	0	1	9.63	4	1	1	1
2156	109247	223088	569691	0	1	6.08	4	1	1	1
2157	109248	223638	569691	0	1	3.14	2	1	2	2
2158	109249	224308	569691	0	1	4.05	3	1	2	2
2159	109250	224378	569691	0	1	6.35	4	1	1	1
2160	109251	224398	569691	0	1	6.60	4	1	1	1
2161	109252	224418	569691	0	1	7.28	4	1	1	1
2162	109253	224438	569691	0	1	6.50	4	1	1	1
2163	109254	224458	569691	0	1	6.61	4	1	1	1
2164	109255	224478	569691	0	1	6.80	4	1	1	1
2165	109256	224498	569691	0	1	6.82	4	1	1	1
2166	109257	224518	569691	0	1	1.54	1	1	1	1
2167	109263	222878	569681	0	1	8.79	4	1	1	1
2168	109264	222898	569681	0	1	8.86	4	1	1	1
2169	109265	222918	569681	0	1	7.35	4	1	1	1
2170	109266	222938	569681	0	1	6.33	4	1	1	1
2171	109267	222958	569681	0	1	3.89	2	1	1	1
2172	109268	223028	569681	0	1	6.38	4	1	1	1

2173	109269	223048	569681	0	1	6.64	4	1	1	1
2174	109270	223068	569681	0	1	9.67	4	1	1	1
2175	109271	223088	569681	0	1	6.07	4	1	1	1
2176	109272	224358	569681	0	1	5.64	3	1	2	2
2177	109273	224378	569681	0	1	6.51	4	1	1	1
2178	109274	224398	569681	0	1	6.55	4	1	1	1
2179	109275	224418	569681	0	1	7.41	4	1	1	1
2180	109276	224438	569681	0	1	7.26	4	1	1	1
2181	109277	224458	569681	0	1	6.54	4	1	1	1
2182	109278	224478	569681	0	1	6.79	4	1	1	1
2183	109279	224498	569681	0	1	4.30	3	1	1	1
2184	109280	224518	569681	0	1	1.26	1	1	1	1
2185	109284	222868	569671	0	1	4.79	3	1	1	1
2186	109285	222888	569671	0	1	9.02	4	1	1	1
2187	109286	222908	569671	0	1	8.52	4	1	1	1
2188	109287	222928	569671	0	1	7.66	4	1	1	1
2189	109288	222948	569671	0	1	4.48	3	1	1	1
2190	109289	223018	569671	0	1	5.70	3	1	1	1
2191	109290	223038	569671	0	1	6.35	4	1	1	1
2192	109291	223058	569671	0	1	9.66	4	1	1	1
2193	109292	223078	569671	0	1	7.65	4	1	1	1
2194	109293	224348	569671	0	1	5.64	3	1	2	2
2195	109294	224368	569671	0	1	6.51	4	1	1	1
2196	109295	224388	569671	0	1	6.51	4	1	1	1
2197	109296	224408	569671	0	1	6.49	4	1	1	1
2198	109297	224428	569671	0	1	7.44	4	1	1	1
2199	109298	224448	569671	0	1	7.46	4	1	1	1
2200	109299	224468	569671	0	1	6.09	4	1	1	1
2201	109300	224488	569671	0	1	3.27	2	1	1	1
2202	109301	224508	569671	0	1	3.16	2	1	1	1
2203	109305	222888	569661	0	1	8.92	4	1	1	1
2204	109306	222908	569661	0	1	7.87	4	1	1	1
2205	109307	222928	569661	0	1	7.71	4	1	1	1
2206	109308	222948	569661	0	1	4.94	3	1	1	1
2207	109309	223028	569661	0	1	6.08	4	1	1	1
2208	109310	223048	569661	0	1	8.85	4	1	1	1
2209	109311	223068	569661	0	1	9.74	4	1	1	1
2210	109312	223088	569661	0	1	5.88	3	1	2	2
2211	109313	223858	569661	0	1	2.84	2	1	2	2
2212	109314	224348	569661	0	1	6.36	4	1	2	2
2213	109315	224368	569661	0	1	6.51	4	1	1	1
2214	109316	224388	569661	0	1	6.52	4	1	1	1
2215	109317	224408	569661	0	1	6.44	4	1	1	1
2216	109318	224428	569661	0	1	6.37	4	1	1	1
2217	109319	224448	569661	0	1	5.81	3	1	1	1
2218	109320	224468	569661	0	1	3.11	2	1	1	1
2219	109321	224488	569661	0	1	3.15	2	1	1	1
2220	109323	222888	569651	0	1	8.75	4	1	1	1
2221	109324	222908	569651	0	1	6.52	4	1	1	1
2222	109325	222928	569651	0	1	7.56	4	1	1	1
2223	109326	222948	569651	0	1	5.70	3	1	1	1
2224	109327	222968	569651	0	1	5.96	3	1	1	1
2225	109328	223048	569651	0	1	9.59	4	1	1	1
2226	109329	223068	569651	0	1	8.34	4	1	1	1
2227	109330	223848	569651	0	1	3.26	2	1	2	2
2228	109331	223868	569651	0	1	3.26	2	1	2	2
2229	109332	224338	569651	0	1	6.60	4	1	2	2
2230	109333	224358	569651	0	1	6.94	4	1	2	2
2231	109334	224378	569651	0	1	7.16	4	1	1	1
2232	109335	224398	569651	0	1	7.17	4	1	1	1
2233	109336	224418	569651	0	1	5.61	3	1	1	1
2234	109337	224438	569651	0	1	5.57	3	1	1	1
2235	109338	224458	569651	0	1	3.30	2	1	1	1

2236	109339	224478	569651	0	1	2.55	2	1	1	1
2237	109341	222898	569641	0	1	6.87	4	1	1	1
2238	109342	222918	569641	0	1	6.39	4	1	1	1
2239	109343	222938	569641	0	1	6.72	4	1	1	1
2240	109344	222958	569641	0	1	5.64	3	1	1	1
2241	109345	223018	569641	0	1	5.93	3	1	1	1
2242	109346	223038	569641	0	1	8.02	4	1	1	1
2243	109347	223058	569641	0	1	7.63	4	1	1	1
2244	109348	223078	569641	0	1	7.03	4	1	1	1
2245	109349	223848	569641	0	1	3.20	2	1	2	2
2246	109350	224308	569641	0	1	4.04	3	1	2	2
2247	109351	224348	569641	0	1	7.19	4	1	2	2
2248	109352	224368	569641	0	1	7.33	4	1	2	2
2249	109353	224388	569641	0	1	7.22	4	1	1	1
2250	109354	224408	569641	0	1	6.38	4	1	1	1
2251	109355	224428	569641	0	1	5.62	3	1	1	1
2252	109356	224448	569641	0	1	3.30	2	1	1	1
2253	109357	224468	569641	0	1	2.65	2	1	1	1
2254	109359	222898	569631	0	1	6.73	4	1	1	1
2255	109360	222918	569631	0	1	6.35	4	1	1	1
2256	109361	222938	569631	0	1	6.29	4	1	1	1
2257	109362	222958	569631	0	1	6.19	4	1	1	1
2258	109363	223018	569631	0	1	7.09	4	1	1	1
2259	109364	223038	569631	0	1	6.72	4	1	1	1
2260	109365	223058	569631	0	1	7.52	4	1	1	1
2261	109366	224298	569631	0	1	4.07	3	1	2	2
2262	109367	224318	569631	0	1	5.84	3	1	2	2
2263	109368	224348	569631	0	1	6.26	4	1	2	2
2264	109369	224368	569631	0	1	7.27	4	1	2	2
2265	109370	224388	569631	0	1	6.61	4	1	1	1
2266	109371	224408	569631	0	1	6.37	4	1	1	1
2267	109372	224428	569631	0	1	5.45	3	1	1	1
2268	109373	224448	569631	0	1	2.97	2	1	1	1
2269	109374	224468	569631	0	1	2.61	2	1	1	1
2270	109375	222878	569621	0	1	7.45	4	1	1	1
2271	109376	222898	569621	0	1	6.59	4	1	1	1
2272	109377	222918	569621	0	1	6.35	4	1	1	1
2273	109378	222938	569621	0	1	7.72	4	1	1	1
2274	109379	222958	569621	0	1	7.48	4	1	1	1
2275	109380	222978	569621	0	1	6.19	4	1	1	1
2276	109381	222998	569621	0	1	5.90	3	1	1	1
2277	109382	223018	569621	0	1	6.53	4	1	1	1
2278	109383	223038	569621	0	1	6.72	4	1	1	1
2279	109384	223058	569621	0	1	7.06	4	1	1	1
2280	109385	223908	569621	0	1	3.14	2	1	1	1
2281	109386	224298	569621	0	1	5.19	3	1	2	2
2282	109387	224318	569621	0	1	5.92	3	1	2	2
2283	109388	224348	569621	0	1	6.10	4	1	2	2
2284	109389	224368	569621	0	1	6.17	4	1	2	2
2285	109390	224388	569621	0	1	6.58	4	1	1	1
2286	109391	224408	569621	0	1	6.34	4	1	1	1
2287	109392	224428	569621	0	1	4.38	3	1	1	1
2288	109393	224448	569621	0	1	3.00	2	1	1	1
2289	109394	224468	569621	0	1	2.59	2	1	1	1
2290	109395	222888	569611	0	1	7.37	4	1	1	1
2291	109396	222908	569611	0	1	6.31	4	1	1	1
2292	109397	222928	569611	0	1	7.84	4	1	1	1
2293	109398	222948	569611	0	1	7.89	4	1	1	1
2294	109399	222968	569611	0	1	6.19	4	1	1	1
2295	109400	222988	569611	0	1	5.76	3	1	1	1
2296	109401	223008	569611	0	1	5.73	3	1	1	1
2297	109402	223028	569611	0	1	6.71	4	1	1	1
2298	109403	223048	569611	0	1	6.74	4	1	1	1

2299	109404	223918	569611	0	1	2.74	2	1	1	1
2300	109405	224308	569611	0	1	6.25	4	1	2	2
2301	109406	224388	569611	0	1	3.30	2	1	1	1
2302	109407	224408	569611	0	1	4.98	3	1	1	1
2303	109408	224428	569611	0	1	4.30	3	1	1	1
2304	109409	224448	569611	0	1	2.97	2	1	1	1
2305	109411	222898	569601	0	1	6.28	4	1	1	1
2306	109412	222918	569601	0	1	7.83	4	1	1	1
2307	109413	222938	569601	0	1	6.44	4	1	1	1
2308	109414	222958	569601	0	1	5.03	3	1	1	1
2309	109415	222978	569601	0	1	5.65	3	1	1	1
2310	109416	222998	569601	0	1	5.73	3	1	1	1
2311	109417	223018	569601	0	1	5.75	3	1	1	1
2312	109418	223038	569601	0	1	6.71	4	1	1	1
2313	109419	223908	569601	0	1	2.71	2	1	1	1
2314	109420	224308	569601	0	1	7.27	4	1	2	2
2315	109421	224398	569601	0	1	2.26	2	1	1	1
2316	109423	222898	569591	0	1	5.94	3	1	1	1
2317	109424	222918	569591	0	1	5.02	3	1	1	1
2318	109425	222938	569591	0	1	4.87	3	1	1	1
2319	109426	222958	569591	0	1	5.02	3	1	1	1
2320	109427	222978	569591	0	1	6.14	4	1	1	1
2321	109428	222998	569591	0	1	5.60	3	1	1	1
2322	109429	223018	569591	0	1	5.76	3	1	1	1
2323	109430	223038	569591	0	1	6.71	4	1	1	1
2324	109431	223918	569591	0	1	2.84	2	1	1	1
2325	109432	223958	569591	0	1	4.51	3	1	1	1
2326	109433	224288	569591	0	1	7.24	4	1	2	2
2327	109434	224318	569591	0	1	6.49	4	1	2	2
2328	109435	222898	569581	0	1	4.87	3	1	1	1
2329	109436	222918	569581	0	1	4.88	3	1	1	1
2330	109437	222938	569581	0	1	4.86	3	1	1	1
2331	109438	222958	569581	0	1	5.88	3	1	1	1
2332	109439	222978	569581	0	1	6.29	4	1	1	1
2333	109440	222998	569581	0	1	5.32	3	1	1	1
2334	109441	223018	569581	0	1	5.76	3	1	1	1
2335	109442	223038	569581	0	1	6.49	4	1	1	1
2336	109443	224258	569581	0	1	8.30	4	1	2	2
2337	109444	224278	569581	0	1	9.38	4	1	2	2
2338	109445	224318	569581	0	1	3.19	2	1	2	2
2339	109446	224808	569581	0	1	1.65	1	1	2	2
2340	109448	222908	569571	0	1	4.88	3	1	1	1
2341	109449	222928	569571	0	1	4.87	3	1	1	1
2342	109450	222948	569571	0	1	5.22	3	1	1	1
2343	109451	222968	569571	0	1	6.29	4	1	1	1
2344	109452	222988	569571	0	1	6.27	4	1	1	1
2345	109453	223008	569571	0	1	5.31	3	1	1	1
2346	109454	223028	569571	0	1	5.70	3	1	1	1
2347	109455	224238	569571	0	1	7.96	4	1	2	2
2348	109456	224258	569571	0	1	8.03	4	1	2	2
2349	109457	224338	569571	0	1	2.75	2	1	2	2
2350	109458	224978	569571	0	1	0.75	1	1	1	1
2351	109459	222928	569561	0	1	4.02	3	1	1	1
2352	109460	222948	569561	0	1	6.04	4	1	1	1
2353	109461	222968	569561	0	1	6.29	4	1	1	1
2354	109462	222988	569561	0	1	6.29	4	1	1	1
2355	109463	223008	569561	0	1	5.91	3	1	1	1
2356	109464	223998	569561	0	1	4.70	3	1	1	1
2357	109465	224228	569561	0	1	7.99	4	1	2	2
2358	109466	224258	569561	0	1	7.97	4	1	2	2
2359	109467	224318	569561	0	1	3.39	2	1	2	2
2360	109468	224338	569561	0	1	2.74	2	1	2	2
2361	109469	224948	569561	0	1	3.30	2	1	2	2

2362	109470	224978	569561	0	1	0.40	1	1	1	1
2363	109471	222938	569551	0	1	5.36	3	1	1	1
2364	109472	222958	569551	0	1	5.90	3	1	1	1
2365	109473	222978	569551	0	1	6.23	4	1	1	1
2366	109474	222998	569551	0	1	6.29	4	1	1	1
2367	109475	223978	569551	0	1	4.98	3	1	1	1
2368	109476	223998	569551	0	1	4.01	3	1	1	1
2369	109477	224188	569551	0	1	7.08	4	1	2	2
2370	109478	224248	569551	0	1	7.45	4	1	2	2
2371	109479	224268	569551	0	1	3.50	2	1	2	2
2372	109480	224318	569551	0	1	3.34	2	1	2	2
2373	109481	224928	569551	0	1	3.29	2	1	2	2
2374	109482	222938	569541	0	1	5.80	3	1	1	1
2375	109483	222958	569541	0	1	5.78	3	1	1	1
2376	109484	222978	569541	0	1	5.78	3	1	1	1
2377	109485	222998	569541	0	1	6.04	4	1	1	1
2378	109486	223988	569541	0	1	4.37	3	1	1	1
2379	109487	224008	569541	0	1	3.50	2	1	1	1
2380	109488	224188	569541	0	1	5.92	3	1	2	2
2381	109489	224308	569541	0	1	4.05	3	1	2	2
2382	109490	224328	569541	0	1	2.69	2	1	2	2
2383	109491	224888	569541	0	1	2.99	2	1	2	2
2384	109492	224908	569541	0	1	2.41	2	1	2	2
2385	109493	224928	569541	0	1	4.30	3	1	2	2
2386	109494	222948	569531	0	1	5.79	3	1	1	1
2387	109495	222968	569531	0	1	5.78	3	1	1	1
2388	109496	222988	569531	0	1	5.78	3	1	1	1
2389	109497	223988	569531	0	1	6.34	4	1	1	1
2390	109498	224008	569531	0	1	5.41	3	1	1	1
2391	109499	224028	569531	0	1	5.65	3	1	1	1
2392	109500	224178	569531	0	1	4.12	3	1	2	2
2393	109501	224298	569531	0	1	5.07	3	1	2	2
2394	109502	224318	569531	0	1	2.37	2	1	2	2
2395	109503	224338	569531	0	1	1.42	1	1	2	2
2396	109504	224358	569531	0	1	0.93	1	1	1	1
2397	109505	224448	569531	0	1	1.75	1	1	1	1
2398	109506	224898	569531	0	1	2.66	2	1	2	2
2399	109507	224918	569531	0	1	4.00	2	1	2	2
2400	109508	222968	569521	0	1	5.78	3	1	1	1
2401	109509	223968	569521	0	1	2.12	2	1	1	1
2402	109510	223988	569521	0	1	4.62	3	1	1	1
2403	109511	224288	569521	0	1	5.10	3	1	2	2
2404	109512	224308	569521	0	1	3.09	2	1	2	2
2405	109513	224328	569521	0	1	2.23	2	1	1	1
2406	109514	224348	569521	0	1	2.01	2	1	1	1
2407	109515	224428	569521	0	1	0.44	1	1	1	1
2408	109516	224898	569521	0	1	2.63	2	1	2	2
2409	109517	224918	569521	0	1	3.48	2	1	2	2
2410	109518	222958	569511	0	1	5.80	3	1	1	1
2411	109519	223968	569511	0	1	2.12	2	1	1	1
2412	109520	223988	569511	0	1	2.12	2	1	1	1
2413	109521	224278	569511	0	1	4.64	3	1	2	2
2414	109522	224298	569511	0	1	3.46	2	1	2	2
2415	109523	224318	569511	0	1	2.81	2	1	1	1
2416	109524	224338	569511	0	1	1.85	1	1	1	1
2417	109525	224938	569511	0	1	3.54	2	1	2	2
2418	109526	222958	569501	0	1	5.77	3	1	3	3
2419	109527	223968	569501	0	1	2.05	2	1	1	1
2420	109528	223988	569501	0	1	1.88	1	1	1	1
2421	109529	224278	569501	0	1	5.09	3	1	2	2
2422	109530	224298	569501	0	1	2.80	2	1	2	2
2423	109531	224318	569501	0	1	2.83	2	1	1	1
2424	109532	224468	569501	0	1	1.21	1	1	2	2

2425	109533	224808	569501	0	1	2.29	2	1	2	2
2426	109534	222928	569491	0	1	5.70	3	1	3	3
2427	109535	222948	569491	0	1	5.79	3	1	3	3
2428	109536	222968	569491	0	1	5.78	3	1	3	3
2429	109537	223978	569491	0	1	1.86	1	1	1	1
2430	109538	223998	569491	0	1	1.84	1	1	1	1
2431	109539	224288	569491	0	1	2.89	2	1	2	2
2432	109540	224308	569491	0	1	2.83	2	1	2	2
2433	109541	224788	569491	0	1	0.95	1	1	2	2
2434	109542	224808	569491	0	1	2.70	2	1	2	2
2435	109543	222938	569481	0	1	4.51	3	1	3	3
2436	109544	224278	569481	0	1	4.30	3	1	2	2
2437	109545	224298	569481	0	1	2.84	2	1	2	2
2438	109546	224828	569481	0	1	3.96	2	1	2	2
2439	109547	224848	569481	0	1	4.72	3	1	2	2
2440	109548	224888	569481	0	1	1.61	1	1	2	2
2441	109549	223988	569471	0	1	1.98	1	1	1	1
2442	109550	224268	569471	0	1	4.86	3	1	2	2
2443	109551	224288	569471	0	1	3.41	2	1	2	2
2444	109552	224378	569471	0	1	2.69	2	1	1	1
2445	109553	224788	569471	0	1	0.95	1	1	2	2
2446	109554	224808	569471	0	1	3.44	2	1	2	2
2447	109555	224828	569471	0	1	6.11	4	1	2	2
2448	109556	224868	569471	0	1	2.67	2	1	2	2
2449	109557	224888	569471	0	1	1.98	1	1	2	2
2450	109558	224908	569471	0	1	2.48	2	1	2	2
2451	109559	223988	569461	0	1	3.34	2	1	1	1
2452	109560	224288	569461	0	1	3.73	2	1	2	2
2453	109561	224388	569461	0	1	2.37	2	1	1	1
2454	109562	224788	569461	0	1	1.64	1	1	2	2
2455	109563	224808	569461	0	1	3.96	2	1	2	2
2456	109564	224858	569461	0	1	2.91	2	1	2	2
2457	109565	224878	569461	0	1	1.98	1	1	2	2
2458	109566	224898	569461	0	1	3.35	2	1	2	2
2459	109567	224918	569461	0	1	2.34	2	1	2	2
2460	109568	224938	569461	0	1	3.19	2	1	2	2
2461	109569	223978	569451	0	1	2.51	2	1	1	1
2462	109570	224088	569451	0	1	2.61	2	1	2	2
2463	109571	224378	569451	0	1	2.73	2	1	1	1
2464	109572	224398	569451	0	1	1.80	1	1	1	1
2465	109573	224418	569451	0	1	0.44	1	1	1	1
2466	109574	224848	569451	0	1	3.37	2	1	2	2
2467	109575	224868	569451	0	1	1.81	1	1	2	2
2468	109576	224888	569451	0	1	3.47	2	1	2	2
2469	109577	224908	569451	0	1	3.46	2	1	2	2
2470	109578	224928	569451	0	1	2.73	2	1	2	2
2471	109579	224948	569451	0	1	4.48	3	1	2	2
2472	109580	224968	569451	0	1	4.51	3	1	2	2
2473	109584	224088	569441	0	1	1.98	1	1	2	2
2474	109585	224358	569441	0	1	2.75	2	1	1	1
2475	109586	224378	569441	0	1	2.75	2	1	1	1
2476	109587	224398	569441	0	1	2.60	2	1	1	1
2477	109588	224418	569441	0	1	0.73	1	1	1	1
2478	109589	224788	569441	0	1	3.12	2	1	2	2
2479	109590	224828	569441	0	1	6.48	4	1	2	2
2480	109591	224848	569441	0	1	2.91	2	1	2	2
2481	109592	224868	569441	0	1	0.49	1	1	2	2
2482	109593	224888	569441	0	1	6.01	4	1	2	2
2483	109594	224908	569441	0	1	6.25	4	1	2	2
2484	109595	224928	569441	0	1	4.22	3	1	2	2
2485	109596	224948	569441	0	1	4.38	3	1	2	2
2486	109597	224968	569441	0	1	4.53	3	1	2	2
2487	109598	224988	569441	0	1	4.51	3	1	2	2

2488	109602	224088	569431	0	1	2.17	2	1	2	2
2489	109603	224348	569431	0	1	2.84	2	1	1	1
2490	109604	224368	569431	0	1	2.85	2	1	1	1
2491	109605	224388	569431	0	1	2.86	2	1	1	1
2492	109606	224408	569431	0	1	1.90	1	1	1	1
2493	109607	224428	569431	0	1	2.07	2	1	1	1
2494	109608	224448	569431	0	1	1.94	1	1	1	1
2495	109609	224828	569431	0	1	4.72	3	1	2	2
2496	109610	224848	569431	0	1	2.62	2	1	2	2
2497	109611	224868	569431	0	1	1.07	1	1	2	2
2498	109612	224888	569431	0	1	6.28	4	1	2	2
2499	109613	224908	569431	0	1	6.07	4	1	2	2
2500	109614	224928	569431	0	1	3.77	2	1	2	2
2501	109615	224948	569431	0	1	3.61	2	1	2	2
2502	109616	224968	569431	0	1	4.53	3	1	2	2
2503	109617	224988	569431	0	1	4.52	3	1	2	2
2504	109618	225008	569431	0	1	3.51	2	1	2	2
2505	109622	224358	569421	0	1	3.33	2	1	1	1
2506	109623	224378	569421	0	1	3.31	2	1	1	1
2507	109624	224398	569421	0	1	3.31	2	1	1	1
2508	109625	224418	569421	0	1	2.42	2	1	1	1
2509	109626	224438	569421	0	1	2.05	2	1	1	1
2510	109627	224818	569421	0	1	6.45	4	1	2	2
2511	109628	224838	569421	0	1	4.23	3	1	2	2
2512	109629	224858	569421	0	1	1.00	1	1	1	1
2513	109630	224878	569421	0	1	6.92	4	1	2	2
2514	109631	224898	569421	0	1	6.64	4	1	2	2
2515	109632	224948	569421	0	1	3.59	2	1	2	2
2516	109633	224968	569421	0	1	3.79	2	1	2	2
2517	109634	224988	569421	0	1	4.48	3	1	2	2
2518	109635	225008	569421	0	1	3.43	2	1	2	2
2519	109639	224358	569411	0	1	2.67	2	1	1	1
2520	109640	224378	569411	0	1	3.13	2	1	1	1
2521	109641	224398	569411	0	1	3.31	2	1	1	1
2522	109642	224418	569411	0	1	2.29	2	1	1	1
2523	109643	224438	569411	0	1	2.05	2	1	1	1
2524	109644	224808	569411	0	1	7.28	4	1	2	2
2525	109645	224828	569411	0	1	4.24	3	1	2	2
2526	109646	224848	569411	0	1	3.85	2	1	1	1
2527	109647	224868	569411	0	1	5.66	3	1	1	1
2528	109648	224888	569411	0	1	7.00	4	1	2	2
2529	109649	225038	569411	0	1	5.14	3	1	2	2
2530	109652	224348	569401	0	1	2.56	2	1	1	1
2531	109653	224368	569401	0	1	2.56	2	1	1	1
2532	109654	224388	569401	0	1	2.61	2	1	1	1
2533	109655	224408	569401	0	1	2.37	2	1	1	1
2534	109656	224428	569401	0	1	1.88	1	1	1	1
2535	109657	224448	569401	0	1	1.86	1	1	2	2
2536	109658	224798	569401	0	1	6.35	4	1	2	2
2537	109659	224818	569401	0	1	6.50	4	1	2	2
2538	109660	224838	569401	0	1	6.18	4	1	1	1
2539	109661	224858	569401	0	1	0.68	1	1	1	1
2540	109662	224878	569401	0	1	7.48	4	1	1	1
2541	109663	224898	569401	0	1	6.52	4	1	2	2
2542	109666	223998	569391	0	1	3.87	2	1	1	1
2543	109667	224358	569391	0	1	2.51	2	1	1	1
2544	109668	224378	569391	0	1	2.56	2	1	1	1
2545	109669	224398	569391	0	1	2.56	2	1	1	1
2546	109670	224418	569391	0	1	1.63	1	1	1	1
2547	109671	224438	569391	0	1	1.37	1	1	2	2
2548	109672	224458	569391	0	1	1.40	1	1	2	2
2549	109673	224808	569391	0	1	7.68	4	1	2	2
2550	109674	224828	569391	0	1	6.05	4	1	2	2

2551	109675	224848	569391	0	1	1.69	1	1	1	1
2552	109676	224868	569391	0	1	7.59	4	1	1	1
2553	109677	224888	569391	0	1	9.80	4	1	1	1
2554	109678	225058	569391	0	1	14.25	4	1	2	2
2555	109682	223978	569381	0	1	3.87	2	1	1	1
2556	109683	223998	569381	0	1	3.85	2	1	1	1
2557	109684	224378	569381	0	1	2.56	2	1	1	1
2558	109685	224398	569381	0	1	2.56	2	1	1	1
2559	109686	224418	569381	0	1	1.79	1	1	1	1
2560	109687	224438	569381	0	1	1.47	1	1	2	2
2561	109688	224458	569381	0	1	1.35	1	1	2	2
2562	109689	224798	569381	0	1	8.31	4	1	2	2
2563	109690	224818	569381	0	1	7.29	4	1	2	2
2564	109691	224838	569381	0	1	2.31	2	1	1	1
2565	109692	224858	569381	0	1	5.35	3	1	1	1
2566	109693	224878	569381	0	1	10.38	4	1	1	1
2567	109694	225058	569381	0	1	12.24	4	1	2	2
2568	109695	225078	569381	0	1	2.82	2	1	2	2
2569	109698	223978	569371	0	1	3.85	2	1	1	1
2570	109699	224368	569371	0	1	2.56	2	1	1	1
2571	109700	224388	569371	0	1	2.51	2	1	1	1
2572	109701	224408	569371	0	1	1.66	1	1	1	1
2573	109702	224428	569371	0	1	1.79	1	1	2	2
2574	109703	224808	569371	0	1	7.86	4	1	2	2
2575	109704	224828	569371	0	1	2.98	2	1	1	1
2576	109705	224848	569371	0	1	3.74	2	1	1	1
2577	109706	224868	569371	0	1	8.24	4	1	1	1
2578	109707	224888	569371	0	1	5.35	3	1	1	1
2579	109708	225078	569371	0	1	2.91	2	1	2	2
2580	109711	223978	569361	0	1	3.83	2	1	1	1
2581	109712	224388	569361	0	1	2.51	2	1	1	1
2582	109713	224408	569361	0	1	1.73	1	1	1	1
2583	109714	224428	569361	0	1	1.78	1	1	2	2
2584	109715	224798	569361	0	1	8.28	4	1	2	2
2585	109716	224818	569361	0	1	3.38	2	1	2	2
2586	109717	224838	569361	0	1	2.44	2	1	1	1
2587	109718	224858	569361	0	1	7.50	4	1	1	1
2588	109719	224878	569361	0	1	7.30	4	1	1	1
2589	109720	224898	569361	0	1	1.32	1	1	1	1
2590	109721	225078	569361	0	1	3.86	2	1	2	2
2591	109722	225098	569361	0	1	2.63	2	1	2	2
2592	109725	224388	569351	0	1	2.51	2	1	2	2
2593	109726	224408	569351	0	1	1.73	1	1	1	1
2594	109727	224798	569351	0	1	7.54	4	1	2	2
2595	109728	224818	569351	0	1	3.99	2	1	1	1
2596	109729	224838	569351	0	1	3.94	2	1	1	1
2597	109730	224858	569351	0	1	9.19	4	1	1	1
2598	109731	224878	569351	0	1	7.39	4	1	1	1
2599	109732	224898	569351	0	1	1.15	1	1	2	2
2600	109733	225078	569351	0	1	5.82	3	1	2	2
2601	109734	225098	569351	0	1	1.91	1	1	2	2
2602	109735	225118	569351	0	1	8.40	4	1	1	1
2603	109739	224388	569341	0	1	2.51	2	1	2	2
2604	109740	224408	569341	0	1	1.78	1	1	2	2
2605	109741	224808	569341	0	1	6.50	4	1	2	2
2606	109742	224828	569341	0	1	8.56	4	1	1	1
2607	109743	224848	569341	0	1	13.52	4	1	1	1
2608	109744	224868	569341	0	1	9.52	4	1	1	1
2609	109745	224888	569341	0	1	2.06	2	1	2	2
2610	109746	224908	569341	0	1	2.64	2	1	2	2
2611	109747	225088	569341	0	1	1.60	1	1	2	2
2612	109748	225108	569341	0	1	4.35	3	1	2	2
2613	109749	225128	569341	0	1	9.90	4	1	1	1

2614	109753	224168	569331	0	1	3.79	2	1	2	2
2615	109754	224388	569331	0	1	2.40	2	1	2	2
2616	109755	224408	569331	0	1	1.73	1	1	2	2
2617	109756	224788	569331	0	1	7.15	4	1	2	2
2618	109757	224808	569331	0	1	6.59	4	1	1	1
2619	109758	224828	569331	0	1	5.05	3	1	1	1
2620	109759	224848	569331	0	1	9.45	4	1	1	1
2621	109760	224868	569331	0	1	2.82	2	1	1	1
2622	109761	224888	569331	0	1	2.14	2	1	2	2
2623	109762	224908	569331	0	1	2.17	2	1	2	2
2624	109763	225098	569331	0	1	3.84	2	1	2	2
2625	109764	225118	569331	0	1	9.75	4	1	2	2
2626	109765	225138	569331	0	1	4.42	3	1	1	1
2627	109770	224158	569321	0	1	3.88	2	1	2	2
2628	109771	224178	569321	0	1	3.86	2	1	2	2
2629	109772	224788	569321	0	1	6.19	4	1	2	2
2630	109773	224808	569321	0	1	5.74	3	1	1	1
2631	109774	224828	569321	0	1	5.43	3	1	1	1
2632	109775	224848	569321	0	1	6.25	4	1	1	1
2633	109776	224868	569321	0	1	2.30	2	1	2	2
2634	109777	224888	569321	0	1	2.16	2	1	2	2
2635	109778	225088	569321	0	1	4.21	3	1	2	2
2636	109779	225108	569321	0	1	3.06	2	1	2	2
2637	109780	225128	569321	0	1	4.85	3	1	2	2
2638	109785	224158	569311	0	1	3.84	2	1	2	2
2639	109786	224178	569311	0	1	3.52	2	1	2	2
2640	109787	224788	569311	0	1	5.77	3	1	2	2
2641	109788	224808	569311	0	1	5.12	3	1	1	1
2642	109789	224828	569311	0	1	5.85	3	1	2	2
2643	109790	224848	569311	0	1	3.03	2	1	2	2
2644	109791	224868	569311	0	1	2.35	2	1	2	2
2645	109792	224888	569311	0	1	2.35	2	1	2	2
2646	109793	225098	569311	0	1	4.10	3	1	2	2
2647	109794	225118	569311	0	1	3.61	2	1	2	2
2648	109801	224158	569301	0	1	3.72	2	1	2	2
2649	109802	224748	569301	0	1	4.92	3	1	2	2
2650	109803	224778	569301	0	1	5.52	3	1	2	2
2651	109804	224798	569301	0	1	4.18	3	1	2	2
2652	109805	224818	569301	0	1	5.46	3	1	2	2
2653	109806	224838	569301	0	1	4.05	3	1	2	2
2654	109807	224858	569301	0	1	2.33	2	1	2	2
2655	109808	224878	569301	0	1	2.39	2	1	2	2
2656	109809	224898	569301	0	1	2.18	2	1	2	2
2657	109810	225118	569301	0	1	3.47	2	1	2	2
2658	109811	225138	569301	0	1	2.36	2	1	2	2
2659	109816	224748	569291	0	1	4.73	3	1	2	2
2660	109817	224768	569291	0	1	4.16	3	1	2	2
2661	109818	224788	569291	0	1	5.77	3	1	2	2
2662	109819	224808	569291	0	1	3.72	2	1	2	2
2663	109820	224828	569291	0	1	5.08	3	1	2	2
2664	109821	224848	569291	0	1	2.28	2	1	2	2
2665	109822	224868	569291	0	1	2.37	2	1	2	2
2666	109823	224888	569291	0	1	1.26	1	1	2	2
2667	109824	225128	569291	0	1	3.60	2	1	2	2
2668	109828	223868	569281	0	1	7.29	4	1	3	3
2669	109829	223888	569281	0	1	5.10	3	1	3	3
2670	109830	224768	569281	0	1	4.18	3	1	2	2
2671	109831	224788	569281	0	1	5.46	3	1	2	2
2672	109832	224808	569281	0	1	3.68	2	1	2	2
2673	109833	224828	569281	0	1	2.42	2	1	2	2
2674	109834	224848	569281	0	1	2.26	2	1	2	2
2675	109835	224868	569281	0	1	1.66	1	1	2	2
2676	109836	225128	569281	0	1	2.74	2	1	2	2

2677	109837	225148	569281	0	1	2.20	2	1	2	2
2678	109839	223748	569271	0	1	7.58	4	1	3	3
2679	109840	223768	569271	0	1	8.39	4	1	3	3
2680	109841	223788	569271	0	1	17.51	5	1	3	3
2681	109842	223808	569271	0	1	8.27	4	1	3	3
2682	109843	223868	569271	0	1	6.40	4	1	3	3
2683	109844	223888	569271	0	1	5.32	3	1	3	3
2684	109845	224768	569271	0	1	3.83	2	1	2	2
2685	109846	224788	569271	0	1	3.69	2	1	2	2
2686	109847	224808	569271	0	1	1.81	1	1	2	2
2687	109848	224828	569271	0	1	0.20	1	1	2	2
2688	109849	224848	569271	0	1	1.22	1	1	2	2
2689	109850	225148	569271	0	1	2.26	2	1	2	2
2690	109851	225168	569271	0	1	2.47	2	1	2	2
2691	109853	223768	569261	0	1	13.35	4	1	3	3
2692	109854	223788	569261	0	1	7.69	4	1	3	3
2693	109855	223808	569261	0	1	13.01	4	1	3	3
2694	109856	223828	569261	0	1	9.89	4	1	3	3
2695	109857	224758	569261	0	1	4.19	3	1	2	2
2696	109858	224778	569261	0	1	4.19	3	1	2	2
2697	109859	224798	569261	0	1	1.27	1	1	2	2
2698	109860	224818	569261	0	1	1.88	1	1	2	2
2699	109861	225148	569261	0	1	2.22	2	1	2	2
2700	109862	225168	569261	0	1	1.99	1	1	2	2
2701	109863	225188	569261	0	1	1.98	1	1	2	2
2702	109866	225158	569251	0	1	2.18	2	1	2	2
2703	109867	225178	569251	0	1	1.96	1	1	2	2
2704	109870	225168	569241	0	1	1.95	1	1	2	2
2705	109871	225188	569241	0	1	1.98	1	1	2	2
2706	109874	223668	569231	0	1	1.70	1	1	3	3
2707	109875	223688	569231	0	1	2.53	2	1	3	3
2708	109876	223728	569231	0	1	1.09	1	1	3	3
2709	109877	223948	569231	0	1	3.29	2	1	3	3
2710	109878	225188	569231	0	1	1.95	1	1	2	2
2711	109879	225208	569231	0	1	0.73	1	1	2	2
2712	109883	223698	569221	0	1	2.51	2	1	3	3
2713	109884	223718	569221	0	1	1.96	1	1	3	3
2714	109885	225188	569221	0	1	2.35	2	1	2	2
2715	109886	225208	569221	0	1	0.80	1	1	2	2
2716	109890	225208	569211	0	1	1.18	1	1	2	2
2717	109892	225228	569191	0	1	0.97	1	1	2	2
2718	109893	223998	569181	0	1	4.05	3	1	3	3
2719	109894	225238	569181	0	1	1.74	1	1	2	2
2720	109896	224008	569171	0	1	4.07	3	1	3	3
2721	109897	224008	569161	0	1	4.06	3	1	3	3
2722	109920	225528	568971	0	1	3.61	2	1	2	2
2723	109924	224028	568941	0	1	1.62	1	1	3	3
2724	109933	224028	568901	0	1	0.77	1	1	3	3
2725	109936	224038	568891	0	1	0.72	1	1	3	3
2726	109937	224058	568891	0	1	1.51	1	1	3	3
2727	109940	224048	568881	0	1	0.94	1	1	3	3
2728	110408	224840	569431	0	1	3.72	2	1	2	2
2729	110409	224804	569305	0	1	3.71	2	1	2	2
2730	110410	224892	569450	0	1	5.14	3	1	2	2
2731	110411	224887	569440	0	1	6.18	4	1	2	2
2732	110412	224886	569444	0	1	6.01	4	1	2	2
2733	110413	224830	569344	0	1	10.59	4	1	1	1
2734	110414	224819	569352	0	1	3.99	2	1	1	1
2735	110415	224828	569357	0	1	3.29	2	1	1	1
2736	110416	224903	569346	0	1	2.21	2	1	2	2
2737	110433	225661	568992	0	1	1.65	1	1	1	1
2738	110434	225759	568937	0	1	4.76	3	1	2	2
2739	110435	225835	568940	0	1	3.24	2	1	1	1

2740	110499	224639	569693	0	1	2.92	2	1	2	2
2741	110500	224665	569722	0	1	0.88	1	1	2	2
2742	110501	224670	569722	0	1	0.88	1	1	2	2
2743	110502	224653	569729	0	1	1.45	1	1	2	2
2744	110503	224646	569721	0	1	1.84	1	1	2	2
2745	110504	224820	569636	0	1	2.53	2	1	2	2
2746	110599	223084	570884	100	2	0.29	1	1	2	2
2747	110600	222964	570892	80	2	0.53	1	1	2	2
2748	110601	222915	570917	60	2	4.10	3	2.5	2	5
2749	110602	222657	570755	200	4	1.80	1	1	1	1
2750	110603	222502	570733	230	5	1.99	1	1	3	3
2751	110604	222416	570710	110	3	1.02	1	1	3	3
2752	110605	223584	570601	49	1	1.23	1	1	2	2
2753	110606	223584	570636	49	1	1.23	1	1	2	2
2754	110607	223581	570673	49	1	1.25	1	1	2	2
2755	110608	223581	570722	49	1	1.29	1	1	2	2
2756	110612	223274	570924	19	1	2.53	2	1	2	2
2757	110620	226281	568646	150	3	4.42	3	3	2	6
2758	110694	223841	569358	50	2	2.56	2	2	3	6
2759	110695	223541	569458	67	2	4.05	3	2.5	3	7.5
2760	110696	223641	569458	53	2	1.27	1	1	3	3
2761	110697	223741	569458	52	2	3.25	2	2	2	4
2762	110698	223841	569458	272	5	1.27	1	1	1	1
2763	110699	224541	569458	50	2	3.69	2	2	2	4
2764	110700	224641	569458	191	4	1.83	1	1	1	1
2765	110701	224741	569458	82	2	3.12	2	2	2	4
2766	110702	223541	569558	48	1	2.84	2	1	1	1
2767	110703	223841	569558	106	3	0.97	1	1	2	2
2768	110704	224641	569558	194	4	0.95	1	1	1	1
2769	110705	224841	569558	119	3	1.67	1	1	2	2
2770	110706	223541	569658	48	1	2.99	2	1	1	1
2771	110707	223641	569658	0	1	3.82	2	1	2	2
2772	110708	223741	569658	68	2	1.62	1	1	1	1
2773	110709	223941	569658	50	2	1.44	1	1	1	1
2774	110710	224041	569658	40	1	3.62	2	1	1	1
2775	110711	224141	569658	250	5	3.98	2	3.5	1	3.5
2776	110712	224241	569658	86	2	3.76	2	2	2	4
2777	110713	224641	569658	255	5	1.97	1	1	2	2
2778	110714	222541	569858	110	3	1.62	1	1	3	3
2779	110715	222641	569858	50	2	2.62	2	2	2	4
2780	110716	222741	569858	280	5	2.21	2	3.5	1	3.5
2781	110717	222841	569858	20	1	7.41	4	1	1	1
2782	110718	222941	569858	40	1	4.25	3	1	2	2
2783	110719	223641	569858	20	1	4.49	3	1	2	2
2784	110720	223741	569858	50	2	1.80	1	1	1	1
2785	110721	224041	569858	35	1	4.38	3	1	2	2
2786	110722	224141	569858	72	2	5.18	3	2.5	2	5
2787	110723	224241	569858	47	1	1.72	1	1	1	1
2788	110724	224341	569858	70	2	3.02	2	2	2	4
2789	110725	224441	569858	50	2	4.69	3	2.5	2	5
2790	110726	224541	569858	0	1	6.61	4	1	2	2
2791	110727	224641	569858	140	3	3.11	2	2.5	2	5
2792	110728	224741	569858	120	3	2.11	2	2.5	2	5
2793	110729	224841	569858	212	5	1.11	1	1	2	2
2794	110730	222541	570058	10	1	4.02	3	1	3	3
2795	110731	222641	570058	500	5	1.49	1	1	1	1
2796	110732	222941	570058	25	1	5.40	3	1	2	2
2797	110733	223641	570058	5	1	4.33	3	1	1	1
2798	110734	223741	570058	385	5	2.01	2	3.5	1	3.5
2799	110735	223841	570058	141	3	0.99	1	1	1	1
2800	110736	223941	570058	50	2	3.31	2	2	2	4
2801	110737	224641	570058	250	5	2.13	2	3.5	1	3.5
2802	110738	224741	570058	60	2	2.52	2	2	2	4

2803	110739	223141	570258	70	2	2.02	2	2	1	2
2804	110740	223241	570258	120	3	1.51	1	1	1	1
2805	110741	223341	570258	200	4	1.07	1	1	2	2
2806	110742	223741	570258	340	5	2.05	2	3.5	1	3.5
2807	110743	223841	570258	240	5	1.64	1	1	1	1
2808	110744	223941	570258	230	5	1.23	1	1	2	2
2809	110745	224641	570258	21	1	3.03	2	1	2	2
2810	110746	223341	570458	50	2	2.19	2	2	2	4
2811	110747	223641	570458	280	5	0.62	1	1	2	2
2812	110748	223741	570458	450	5	1.13	1	1	1	1
2813	110749	223941	570458	25	1	2.37	2	1	2	2
2814	110750	224041	570458	210	5	1.59	1	1	1	1
2815	110751	224741	570458	50	2	2.26	2	2	2	4
2816	110752	222441	570658	260	5	2.59	2	3.5	3	10.5
2817	110753	222541	570658	240	5	1.81	1	1	1	1
2818	110754	222641	570658	150	3	1.85	1	1	1	1
2819	110755	222741	570658	70	2	1.79	1	1	2	2
2820	110756	222841	570658	40	1	4.94	3	1	2	2
2821	110757	222941	570658	25	1	6.76	4	1	1	1
2822	110758	223041	570658	40	1	4.73	3	1	1	1
2823	110759	223141	570658	260	5	2.45	2	3.5	2	7
2824	110760	223241	570658	350	5	0.98	1	1	2	2
2825	110761	223341	570658	110	3	1.10	1	1	2	2
2826	110762	223441	570658	0	1	3.86	2	1	2	2
2827	110763	223541	570658	50	2	1.28	1	1	2	2
2828	110764	223641	570658	100	2	1.24	1	1	2	2
2829	110765	223741	570658	200	4	0.92	1	1	1	1
2830	110766	223841	570658	60	2	2.78	2	2	1	2
2831	110767	223941	570658	50	2	3.36	2	2	2	4
2832	110768	224641	570658	372	5	2.76	2	3.5	1	3.5
2833	110769	222641	570858	120	3	2.51	2	2.5	2	5
2834	110770	222841	570858	120	3	0.88	1	1	2	2
2835	110771	222941	570858	40	1	4.31	3	1	2	2
2836	110772	223041	570858	310	5	0.52	1	1	2	2
2837	110773	223141	570858	250	5	1.12	1	1	2	2
2838	110774	223241	570858	290	5	2.49	2	3.5	2	7
2839	110775	223341	570858	220	5	0.99	1	1	2	2
2840	110776	223741	570858	250	5	1.20	1	1	1	1
2841	110777	223841	570858	156	4	0.86	1	1	1	1
2842	110778	223941	570858	60	2	1.03	1	1	1	1
2843	110779	224041	570858	50	2	2.59	2	2	2	4
2844	110780	224141	570858	39	1	3.61	2	1	2	2
2845	110781	224241	570858	135	3	1.76	1	1	1	1
2846	110782	224341	570858	163	4	2.57	2	3	2	6
2847	110783	224441	570858	5	1	2.46	2	1	1	1
2848	110784	224541	570858	50	2	2.42	2	2	2	4
2849	110785	224841	569658	30	1	2.47	2	1	2	2
2850	110786	224941	569658	410	5	1.33	1	1	1	1
2851	110787	224041	570058	148	3	1.56	1	1	2	2
2852	110788	224741	569658	292	5	1.26	1	1	1	1
2853	110789	224741	569558	335	5	1.28	1	1	1	1
2854	110790	222893	569962	20	1	4.01	3	1	1	1

**Annex 2 – Laboratory Testing Report**

## FINAL ANALYTICAL TEST REPORT

**Envirolab Job Number:** 19/08608  
**Issue Number:** 1 **Date:** 27 September, 2019

**Client:** Energised Environments Ltd  
7 Dundas Street  
Edinburgh  
EH3 6QG

**Project Manager:** Anna Hudson/Jessica Yanetta  
**Project Name:** E01-1706/Kile  
**Project Ref:** EDI\_1706  
**Order No:** EE131408  
**Date Samples Received:** 11/09/19  
**Date Instructions Received:** 13/09/19  
**Date Analysis Completed:** 27/09/19

Prepared by:

  
Melanie Marshall  
Laboratory Coordinator

Approved by:

  
Richard Wong  
Client Manager



Envirolab Job Number: 19/08608

Client Project Name: E01-1706/Kile

Client Project Ref: EDI\_1706

Lab Sample ID	19/08608/1	19/08608/2	19/08608/3	19/08608/4	19/08608/5	19/08608/6	19/08608/7	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	51	51	75	88	116	131	159 Turbine 3			
Depth to Top	0.50	0.70	0.15	0.29	0.20	0.36				
Depth To Bottom										
Date Sampled	06-Sep-19	06-Sep-19	06-Sep-19	06-Sep-19	04-Sep-19	05-Sep-19	03-Sep-19			
Sample Type	Soil									
Sample Matrix Code	6AE									
% Moisture at <40C <sub>A</sub>	83.3	61.8	59.8	83.5	86.6	83.5	74.3	% w/w	0.1	A-T-044
% Natural Moisture Content (NMC) at 40C <sub>A</sub>	498.28	161.52	148.91	505.26	648	505.81	289.83	% w/w	0.1	A-T-044
% Moisture at 105C <sub>A</sub>	84.7	83.3	58.6	83.0	82.7	75.8	79.2	% w/w	0.1	A-T-044
% Natural Moisture Content (NMC) at 105C <sub>A</sub>	553.4	500.0	141.5	486.9	477.8	313.4	381.1	% w/w	0.1	A-T-044
% Stones >10mm <sub>A</sub>	<0.1	<0.1	9.7	<0.1	<0.1	<0.1	<0.1	% w/w	0.1	A-T-044
Total Organic Carbon <sub>D</sub> <sup>M#</sup>	45.3	46	19	52.4	48.1	48.3	25.6	% w/w	0.03	A-T-032s
Total Carbon <sub>D</sub>	40.8	46.0	20.3	49.0	46.1	46.6	25.1	% w/w	0.1	A-T-032s
Density (soil) <sub>A</sub>	0.6	0.7	0.7	0.9	0.6	0.7	0.9	g/ml	0.1	Gravimetry - AR

Envirolab Job Number: 19/08608

Client Project Name: E01-1706/Kile

Client Project Ref: EDI\_1706

Lab Sample ID	19/08608/8	19/08608/9	19/08608/10	19/08608/11	19/08608/12	19/08608/13	19/08608/14	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	170	194	220	220	234	252	252			
Depth to Top	0.45	0.30	0.50	0.72	0.25	0.50	1.00			
Depth To Bottom										
Date Sampled	04-Sep-19	05-Sep-19	03-Sep-19	03-Sep-19	03-Sep-19	03-Sep-19	03-Sep-19			
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil			
Sample Matrix Code	5AE	6AE	5E	5E	6AE	6AE	6AE			
% Moisture at <40C <sub>A</sub>	41.0	83.0	86.0	85.8	84.5	91.7	93.5	% w/w	0.1	A-T-044
% Natural Moisture Content (NMC) at 40C <sub>A</sub>	69.5	487.4	616.6	606.4	543.9	1102.3	1447.7	% w/w	0.1	A-T-044
% Moisture at 105C <sub>A</sub>	57.7	83.9	85.5	87.1	84.9	91.9	93.9	% w/w	0.1	A-T-044
% Natural Moisture Content (NMC) at 105C <sub>A</sub>	136.6	520.9	587.7	674.4	563.1	1130.4	1533.8	% w/w	0.1	A-T-044
% Stones >10mm <sub>A</sub>	12.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	% w/w	0.1	A-T-044
Total Organic Carbon <sub>D</sub> <sup>M#</sup>	4.05	48.9	52.3	52.3	47.7	48	43	% w/w	0.03	A-T-032s
Total Carbon <sub>D</sub>	4.1	48.9	49.7	50.0	46.8	44.5	39.9	% w/w	0.1	A-T-032s
Density (soil) <sub>A</sub>	1.1	0.7	1.0	1.0	0.7	1.1	1.0	g/ml	0.1	Gravimetry - AR

Envirolab Job Number: 19/08608

Client Project Name: E01-1706/Kile

Client Project Ref: EDI\_1706

Lab Sample ID	19/08608/15	19/08608/16	19/08608/17	19/08608/18					Units Limit of Detection Method ref	
Client Sample No										
Client Sample ID	406 Borrowpit	414	419	422						
Depth to Top	0.60	0.50	0.40	0.50						
Depth To Bottom										
Date Sampled	05-Sep-19	05-Sep-19	05-Sep-19	05-Sep-19						
Sample Type	Soil	Soil	Soil	Soil						
Sample Matrix Code	6AE	6AE	6AE	6AE						
% Moisture at <40C <sub>A</sub>	85.8	80.8	87.8	83.2				% w/w	0.1	A-T-044
% Natural Moisture Content (NMC) at 40C <sub>A</sub>	604.2	421.9	720.2	495.6				% w/w	0.1	A-T-044
% Moisture at 105C <sub>A</sub>	85.4	84.1	82.2	68.0				% w/w	0.1	A-T-044
% Natural Moisture Content (NMC) at 105C <sub>A</sub>	584.5	527.0	463.4	212.9				% w/w	0.1	A-T-044
% Stones >10mm <sub>A</sub>	<0.1	<0.1	<0.1	<0.1				% w/w	0.1	A-T-044
Total Organic Carbon <sub>D#</sub>	50.2	17.2	45.5	49.8				% w/w	0.03	A-T-032s
Total Carbon <sub>D</sub>	46.1	18.1	44.4	52.2				% w/w	0.1	A-T-032s
Density (soil) <sub>A</sub>	0.9	1.1	1.0	1.0				g/ml	0.1	Gravimetry - AR

## **REPORT NOTES**

### **General**

This report shall not be reproduced, except in full, without written approval from Envirolab.

The results reported herein relate only to the material supplied to the laboratory.

The residue of any samples contained within this report, and any received with the same delivery, will be disposed of six weeks after initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of six months after the initial Asbestos testing is completed.

Analytical results reflect the quality of the sample at the time of analysis only.

Opinions and interpretations expressed are outside the scope of our accreditation.

If results are in italic font they are associated with an AQC failure, these are not accredited and are unreliable.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

The Client Sample No, Client Sample ID, Depth to Top, Depth to Bottom and Date Sampled were all provided by the client.

### **Soil chemical analysis:**

All results are reported as dry weight (<40°C).

For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis. This is reported as '% stones >10mm'.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts. All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

### **TPH analysis of water by method A-T-007:**

Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

### **Electrical Conductivity of water by Method A-T-037:**

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the calibration range and as such are unaccredited.

### **Asbestos:**

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.

Stones etc. are not removed from the sample prior to analysis.

Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

### **Predominant Matrix Codes:**

1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER, 8 = Asbestos bulk ID sample. Samples with Matrix Code 7 & 8 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations, with the exception of bulk asbestos which are BSEN 17025 accredited.

### **Secondary Matrix Codes:**

A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

### **Key:**

IS indicates Insufficient Sample for analysis.

US indicates Unsuitable Sample for analysis.

NDP indicates No Determination Possible.

NAD indicates No Asbestos Detected.

N/A indicates Not Applicable.

Superscript # indicates method accredited to ISO 17025.

Superscript "M" indicates method accredited to MCERTS.

Subscript "A" indicates analysis performed on the sample as received.

Subscript "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve

Please contact us if you need any further information.

## **Envirolab Deviating Samples Report**

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR  
Tel. 0161 368 4921 email. ask@envlab.co.uk

**Client:** Energised Environments Ltd, 7 Dundas Street, Edinburgh, EH3 6QG

**Project No:** 19/08608

**Project:** E01-1706/Kile

**Date Received:** 13/09/2019 (am)

**Clients Project No:** EDI\_1706

**Cool Box Temperatures (°C):** 17.0, 16.7

### NO DEVIATIONS IDENTIFIED

If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3, ISO 18400-102:2017, then the concentration of any affected analytes may differ from that at the time of sampling.



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