"Orienteering is a challenging outdoor adventure sport enjoyed by people of all ages, abilities and backgrounds."

British Orienteering
More People, More Places, More Podiums

# Experiences of Planning and Delivering Virtual O

Presented by Phill Batts of CLOK
and ARMY Orienteering

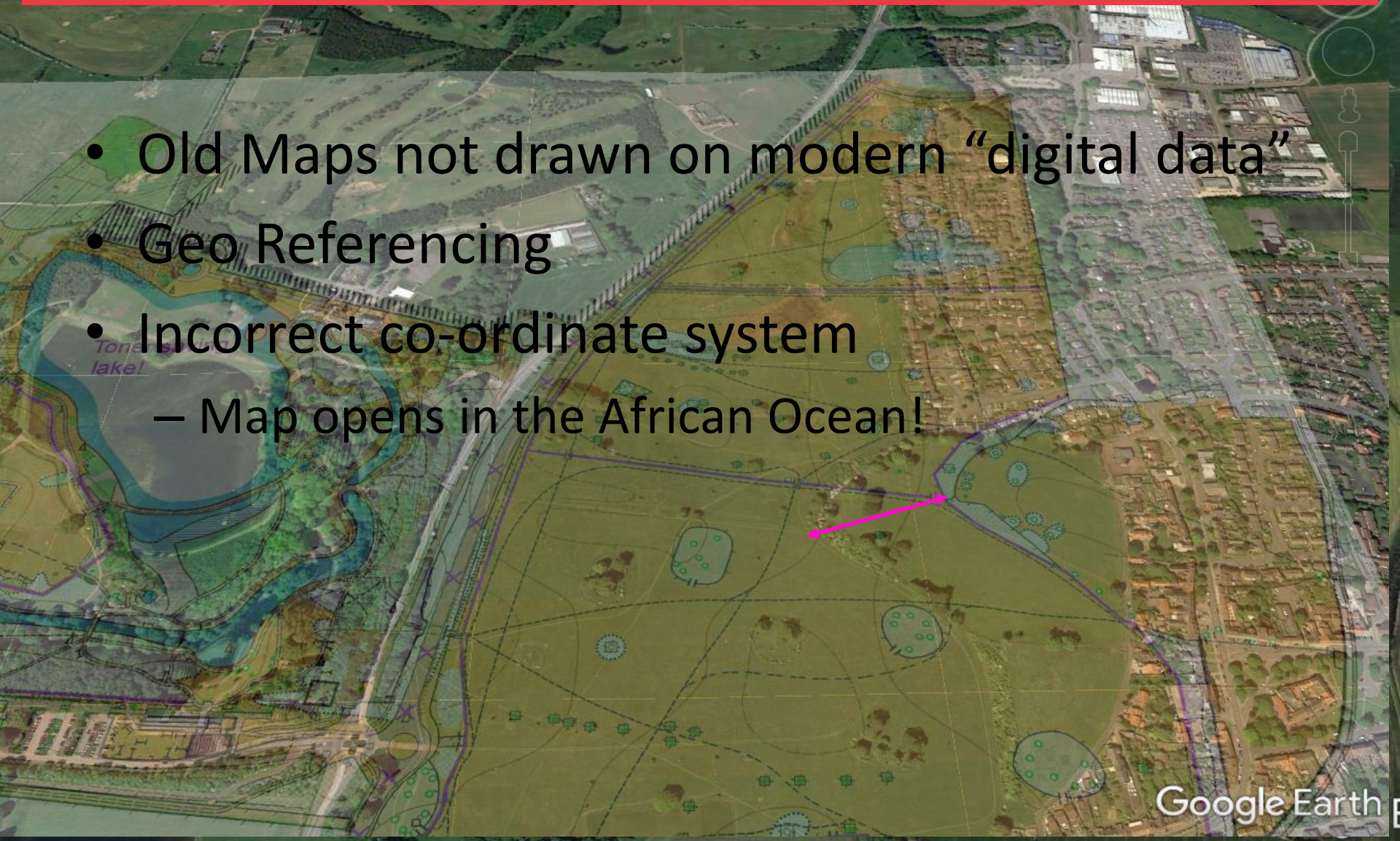
ARMY ORIENTEERING ASSOCIATION

CLOK

# Session Contents

- Issues with Maps
- Fixing Maps in OCAD 2018
- Google Earth
- Current Set-Up Process
- Current Event Process
- Future Ideas

# Issues with Maps



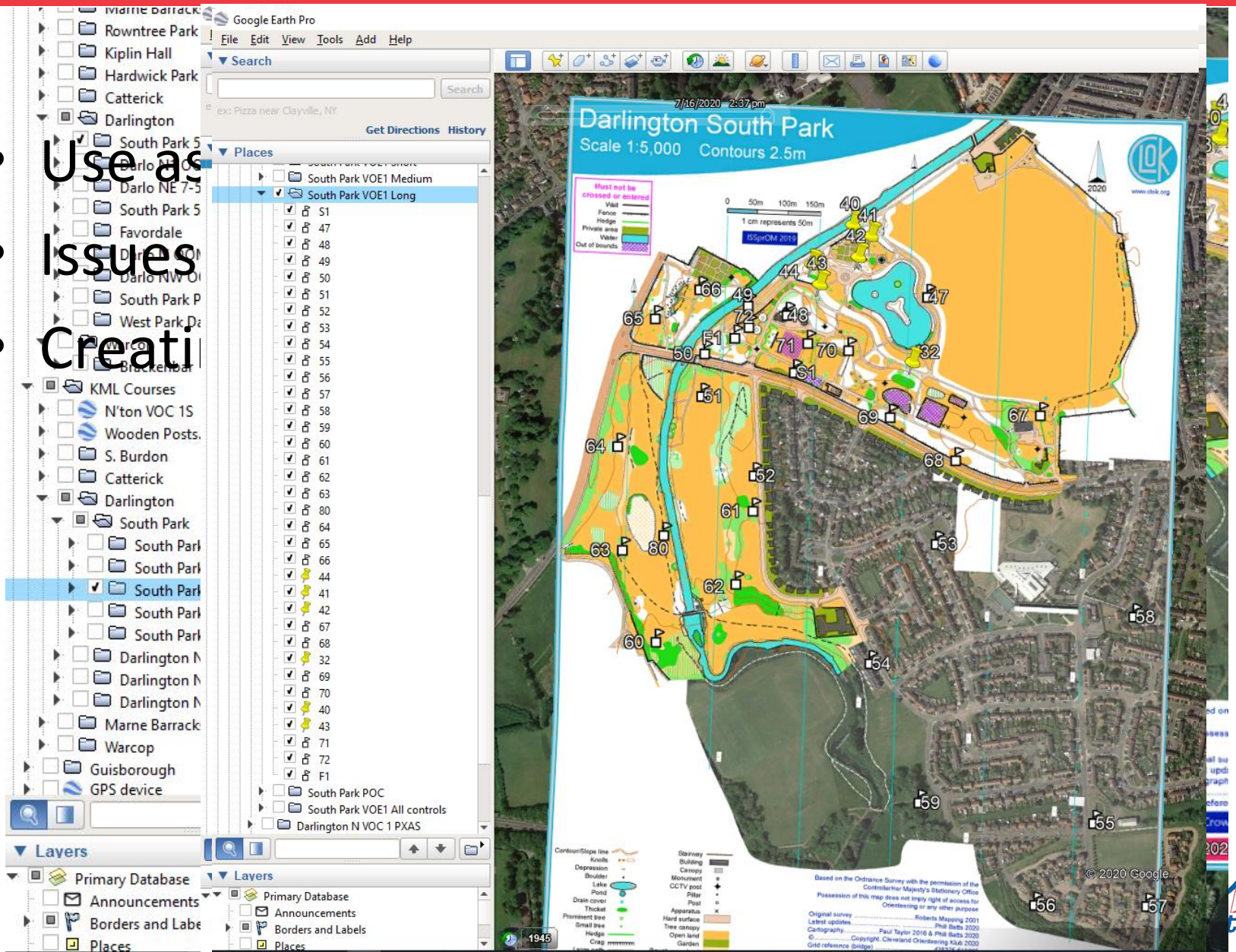

- Old Maps not drawn on modern “digital data”
- Geo Referencing
- Incorrect co-ordinate system
  - Map opens in the African Ocean!

# Adjusting Maps in OCAD 2018

- Add Geo Referenced Satellite Images
- Select many issues around perimeter and some in central area
- Transform map

# Google Earth

- Use as
- Issues
- Creati



# Current Set-Up Process

- Ensure map is Geo Referenced and at current rotation
- Create KMZ map from *OCAD*, or…
- ….Create in *Open Orienteering Map*. *Open Street Map* editing account very useful
- Plan in *Purple Pen*; NO chance of visiting finish early
- Visit area with All Controls map and Garmin GPSMAP 64
- Record all control sites Lat/Lon on Garmin
- Record all map issues

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# Current Set-Up Process, continued

- Use *Garmin Basecamp* (free!) to export waypoints and track as a pair of GPX files
- Import GPX files into *Google Earth*
- Improve map if needed
- Create a Check Sites course on *MapRun* server and send PIN code and ACs map to Controller
- Create each course in *Google Earth*
- Get assistance to “Quality Control” course controls
- Create Courses on *MapRun* server

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# Current Event Process

- PIN protect each course if an event or start time “appointments” are needed for always available VOCs
- Have the PIN code expire at last start time
- Have a test start, control and finish in Assy area
- Be able to support the completely unprepared; iPhone and Android
- Issue PIN at minus 5 mins
- Have a unique start kite and 1st control for each start lane

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# Future Ideas

- Always site a VOC to start and finish in a busy public space such as a supermarket
- Encourage participants to “run” in normal sports kit and not Club kit
- When visiting area 1st time, record ALL viable control sites and store
- Use the *Open Orienteering Map* service to create improved O Maps for all towns in the local area AND have at least one set of: very short, short, medium and long courses

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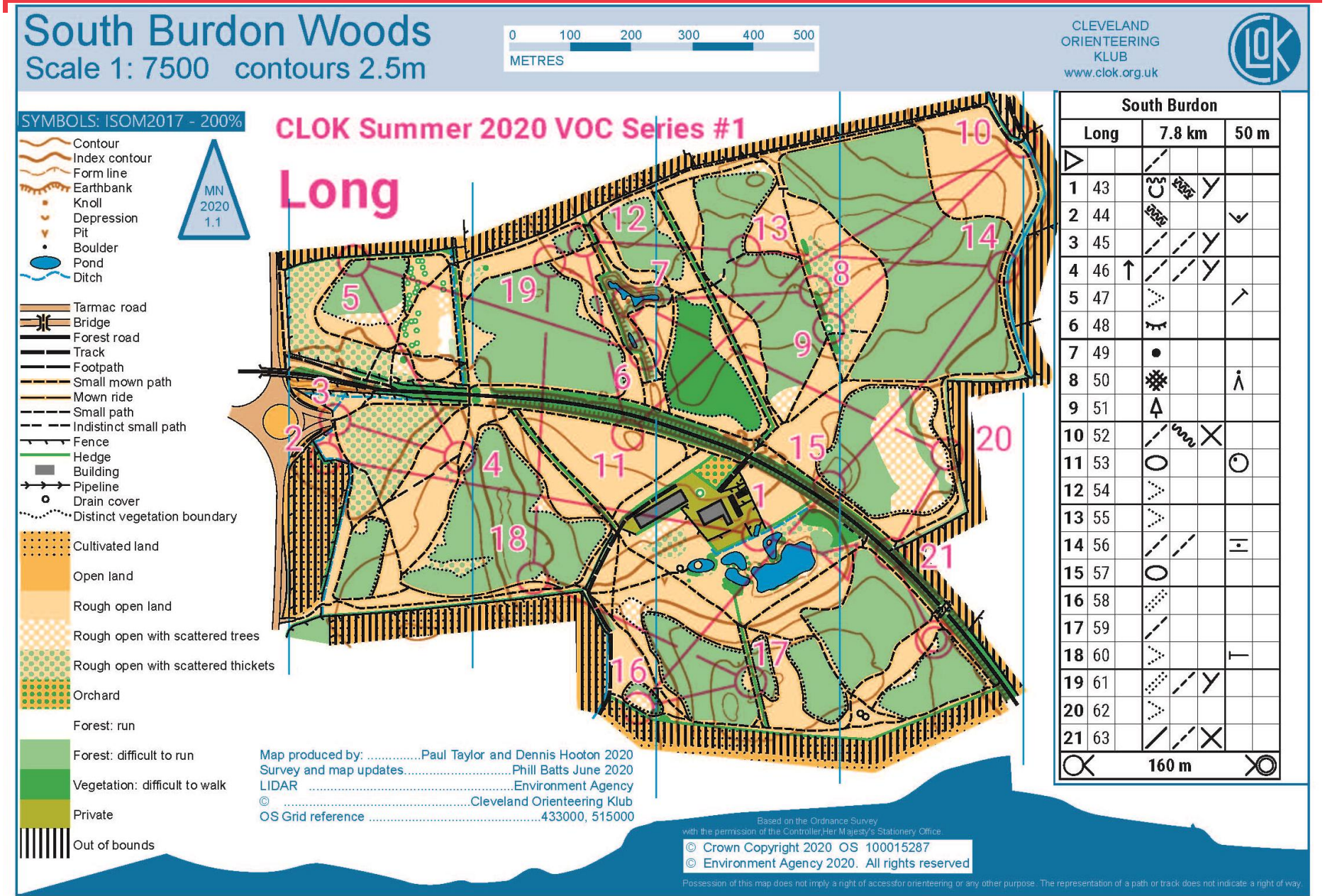
# Questions?


South Burdon Woods
Scale 1: 7500 contours 2.5m
0 100 200 300 400 500
METRES
CLEVELAND ORIENTEERING KLUB
www.clok.org.uk
SYMBOLS: ISOM2017 - 200%
Contour
Index contour
Form line
Earthbank
Knoll
Depression
Pit
Boulder
Pond
Ditch
MN 2020 1.1
Tarmac road
Bridge
Forest road
Track
Footpath
Small mown path
Mown ride
Small path
Indistinct small path
Fence
Hedge
Building
Pipeline
Drain cover
Distinct vegetation boundary
Cultivated land
Open land
Rough open land
Rough open with scattered trees
Rough open with scattered thicketts
Orchard
Forest: run
Forest: difficult to run
Vegetation: difficult to walk
Private
Out of bounds
CLOK Summer 2020 VOC Series #1
Long
Map produced by: .....Paul Taylor and Dennis Hooton 2020
Survey and map updates.....Phill Batts June 2020
LIDAR .....Environment Agency
© .....Cleveland Orienteering Klub
OS Grid reference .....433000, 515000
South Burdon
Long 7.8 km 50 m
1 43
2 44
3 45
4 46
5 47
6 48
7 49
8 50
9 51
10 52
11 53
12 54
13 55
14 56
15 57
16 58
17 59
18 60
19 61
20 62
21 63
160 m
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