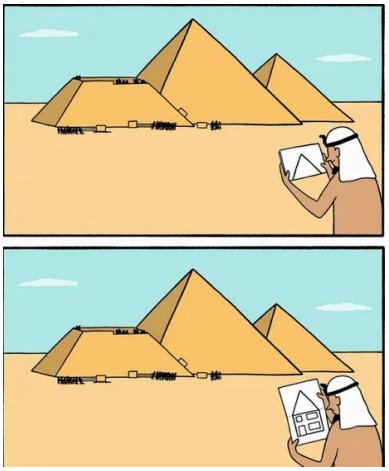
Pyramid Exploration

Time Limit: 1s
Memory Limit: 256 MB



Description

After 4 days of charting the rooms inside the pyramid, Craig finally arrived at the top. He sits for some minutes there and decided to go down before the sun set. He doesn't want to go back into the pyramid because it would take too much time, so he wanted to go down directly from the top.

He only brings a limited length of rope, a paraglider, and a cellphone to call for helicopter, but he didn't know which one to use, since the rope could be shorter, the paraglider needs to be operated a certain height for safety reason, and waiting for helicopter would take time. Looking at the map, he realized that the room structure inside the pyramid is following a tree-like structure, specifically the AVL tree. That means, he can calculate the height based on that. If the height of the pyramid is between 1-3, use rope. If it's between 4-6, use paraglider. Otherwise, call for helicopter. He then calls you for your help to calculate the height.

Input Format

The first line contains an integers n, the number of rooms in the pyramid
The next n lines contains x_i, a number representing each room inside the pyramid

Output Format

If the height is between 1-3, print
`You can use the rope`
If the height is between 4-6, print
`You can use the paraglider`
Otherwise, print
`You should call for the helicopter`

Constraints

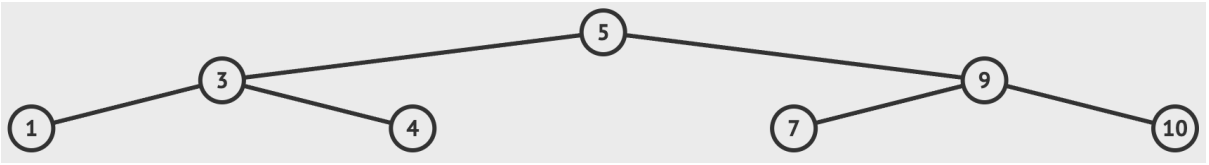
$1 \leq n, x_i \leq 10^6$

Example

Input
7 10 7 9 4 5 3 1
Output
You can use the rope

Explanation

When being drawn, the tree will be as below



The height of the pyramid is 3, so Craig can use the rope