



**INFORMATICS.
OLYMPIAD.CH**

INFORMATIK-OLYMPIADE
OLYMPIADES D'INFORMATIQUE
OLIMPIADI DELL'INFORMATICA

Ropeways

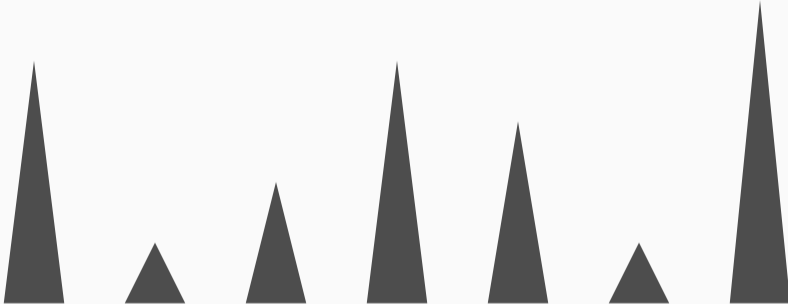
Jan Schär

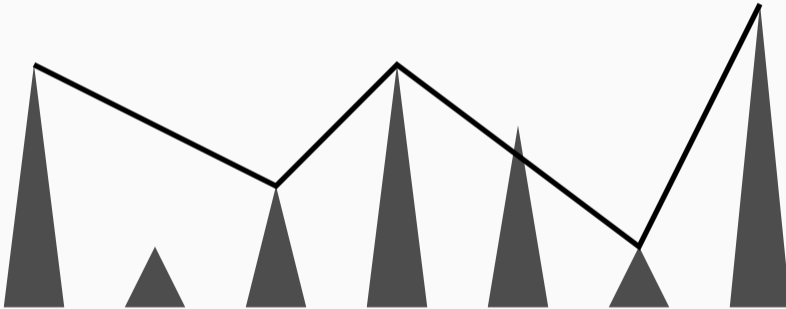
8 January 2022

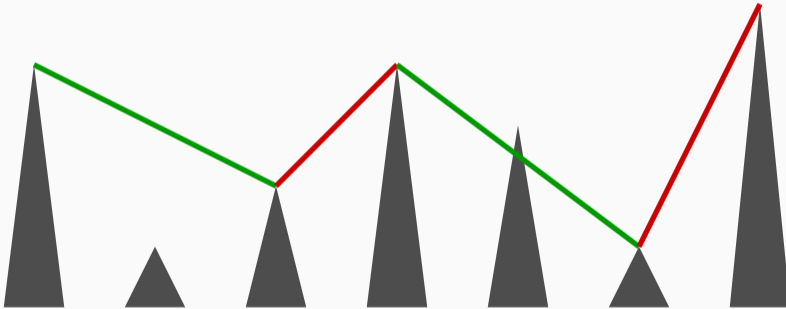
Ropeway to Pulau Timang



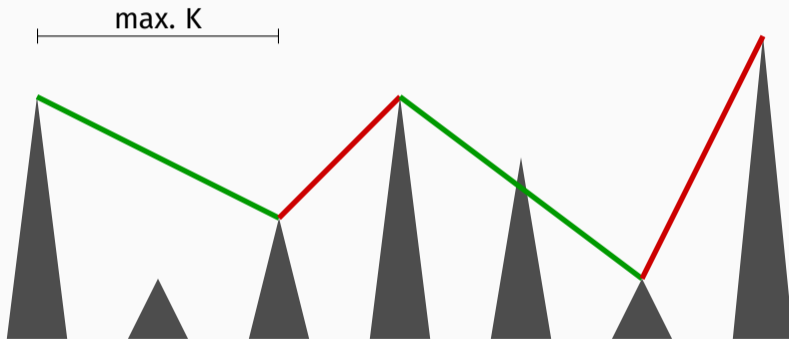
A ropeway from Timang Beach to the island Pulau Timang in Yogyakarta, Indonesia. Photo by Pandora Voon, CC BY-SA.







Boring ropeways: 2

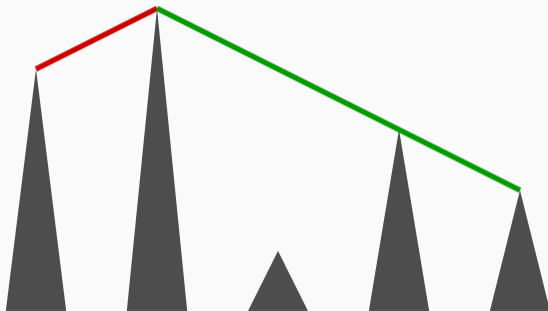


Boring ropeways: 2

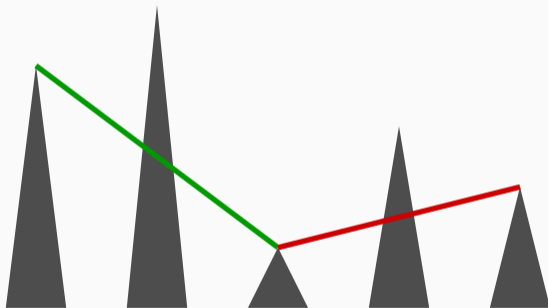
Subtask 1: $K = N - 2$



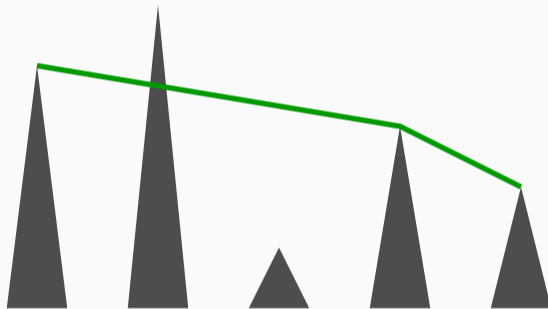
Subtask 1: $K = N - 2$



Subtask 1: $K = N - 2$



Subtask 1: $K = N - 2$

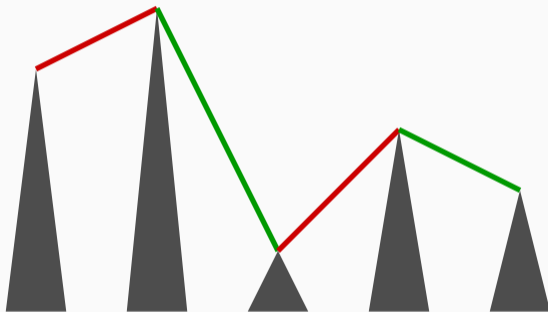


Minimum: 0

Subtask 2: $K = 1$



Subtask 2: $K = 1$



Minimum: 2

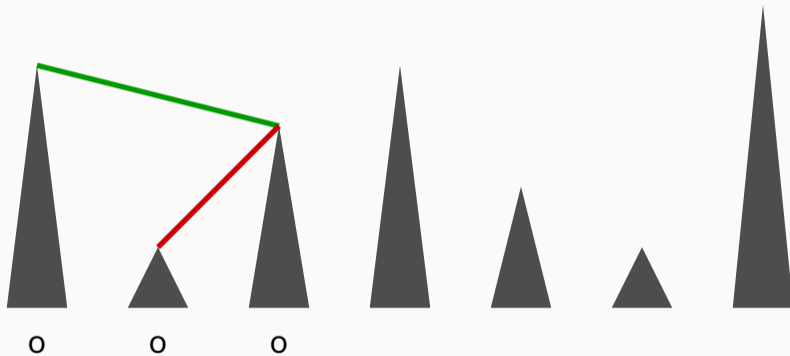
Subtask 2: $K = 2$



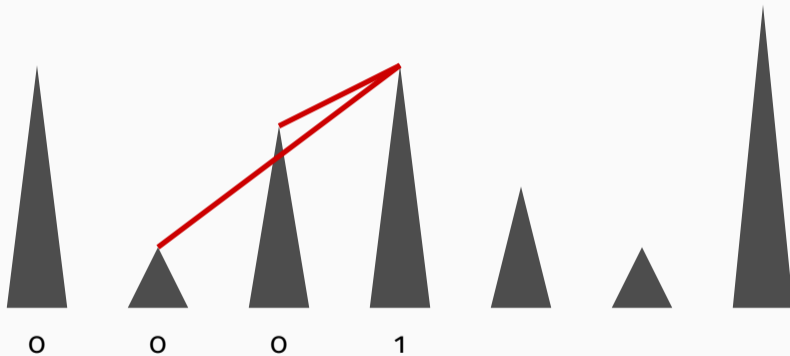
Subtask 2: $K = 2$



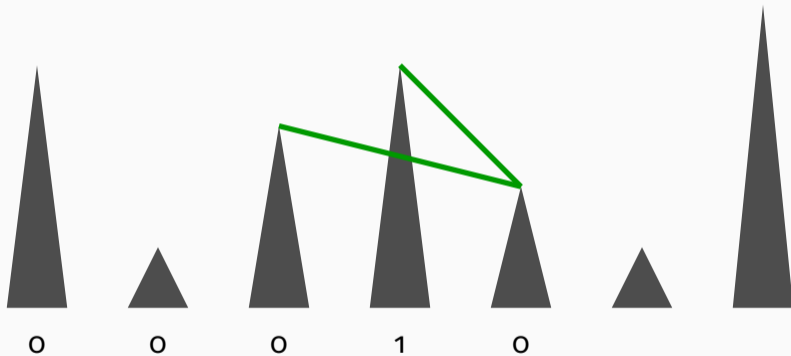
Subtask 2: $K = 2$



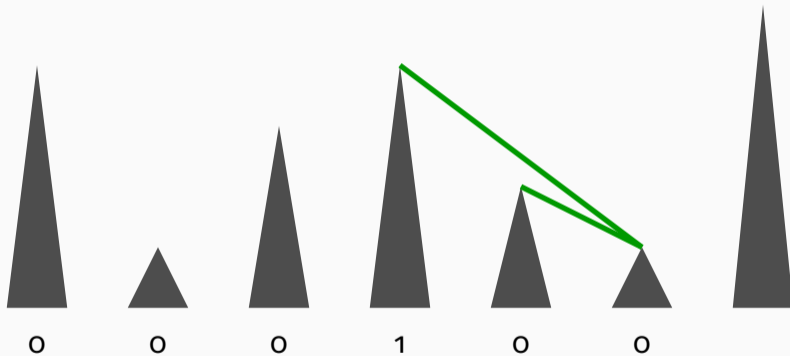
Subtask 2: $K = 2$



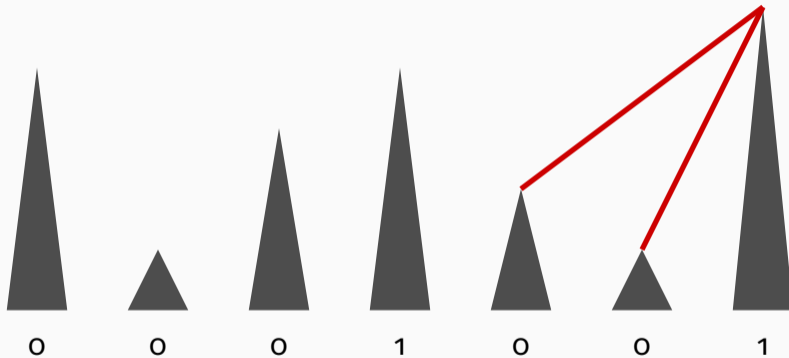
Subtask 2: $K = 2$



Subtask 2: $K = 2$

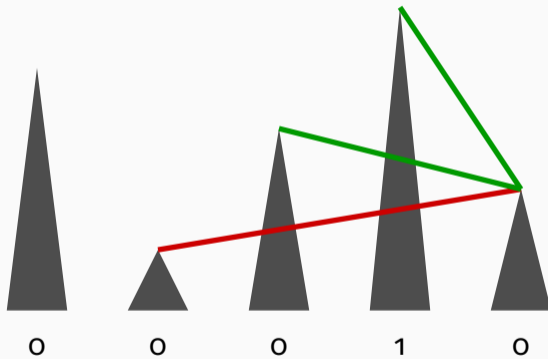


Subtask 2: $K = 2$

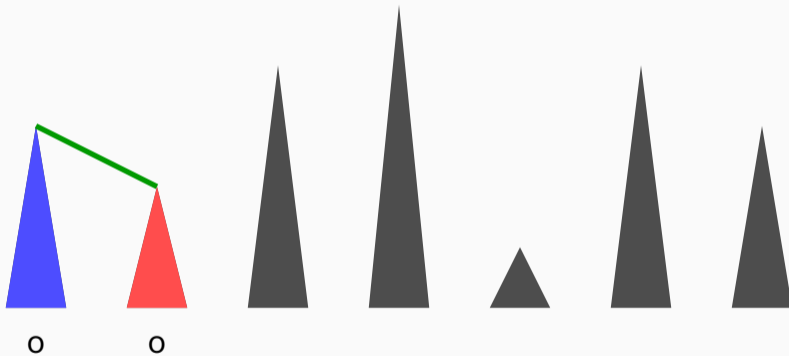


Minimum: 1

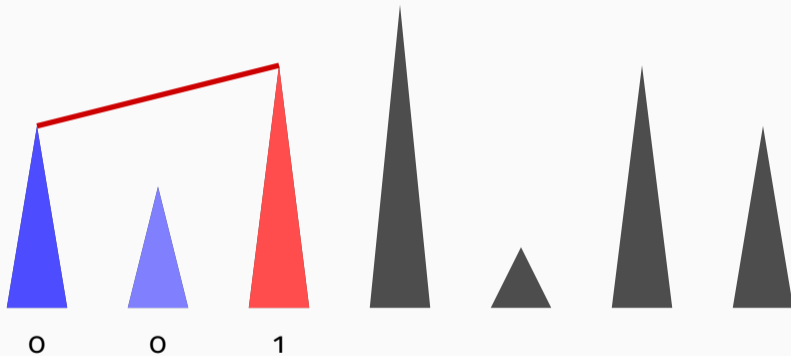
Subtask 3: example $K = 3$



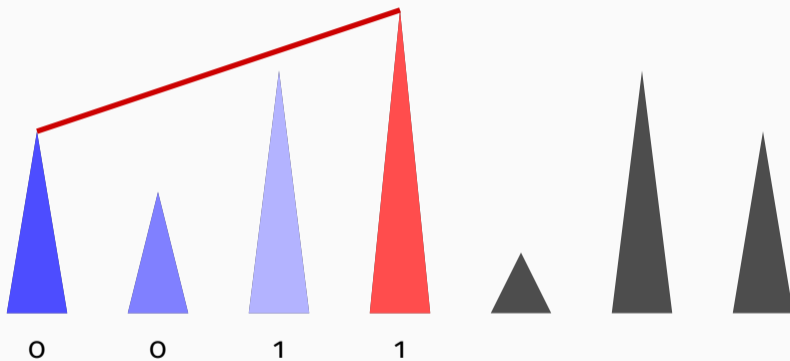
Subtask 4: example $K = 3$



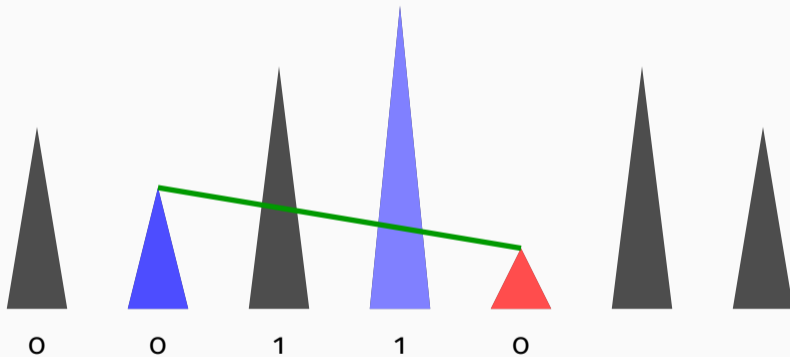
Subtask 4: example $K = 3$



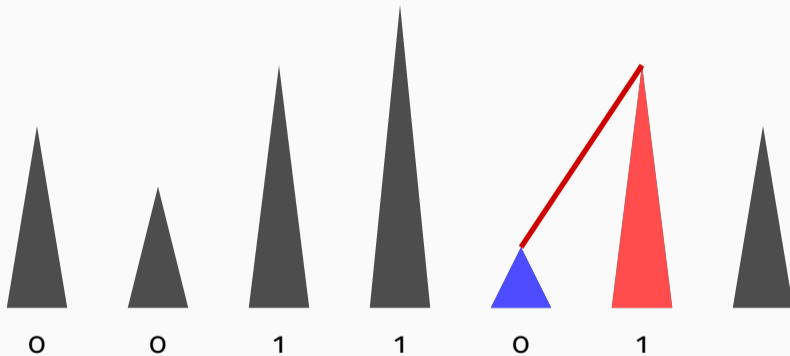
Subtask 4: example $K = 3$



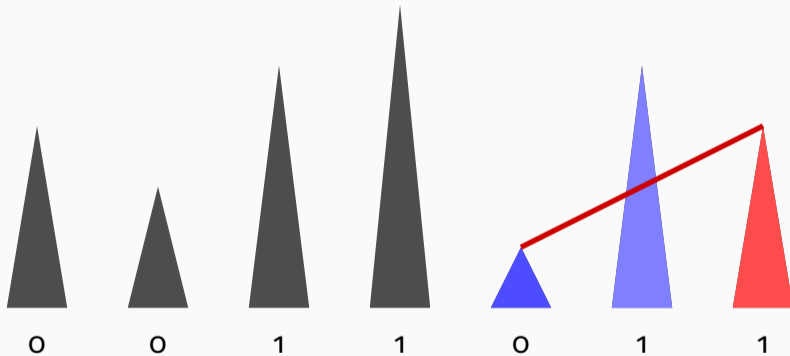
Subtask 4: example $K = 3$



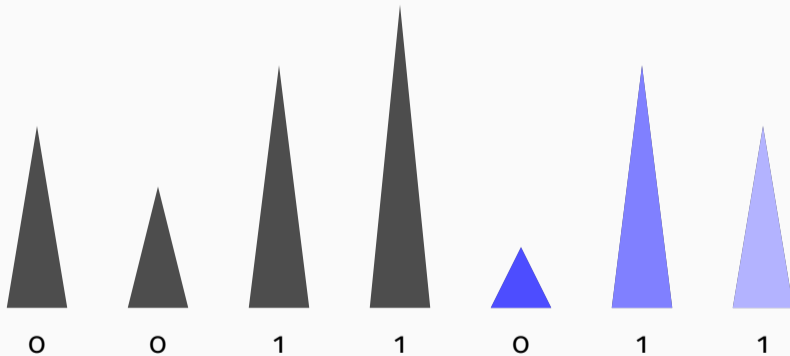
Subtask 4: example $K = 3$



Subtask 4: example $K = 3$



Subtask 4: example $K = 3$



Minimum: 1