

International Coding Contest 16th November 2018







December 2020

location: classified

G13 summit



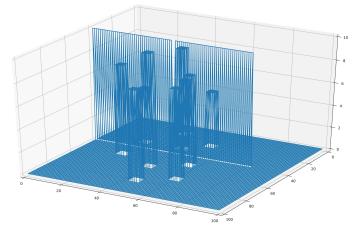
A crucial turning point in history is expected!

BUT: The atmosphere is heated up. Attacks on life of the leaders are very likely!

Attacks must be prevented in any case. To fail is not an option!

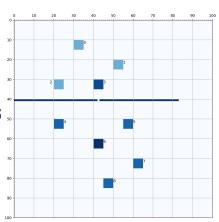
CODING SONTEST.org > Your task

Secure the summit by showing where possible
 hazard zones - tall rooftops with large overviews - are



Drones delivered a very accurate 3d point data set of the wider area around the summit

Your goal is to assess the security threats and make recommendations based on this data set



event organizer



Level 1



You are provided a rudimentary 2D representation of the site plan

While our drones can provide very accurate pictures of the site, sometimes the pictures get corrupted. Your first task is to filter out any picture that has no building in it.

Output whether or not there are any buildings in the perimeter

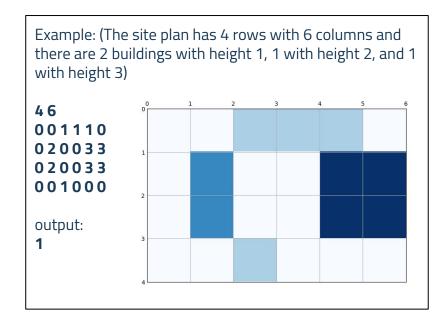


- > The world is a 2D cell grid
- > A building spans one or more cells, having a certain, constant, height
- > The ground height is zero
- > Given a site plan, output whether or not it contains any buildings



Input format:

```
<number_of_rows> <number_of_columns>
<height> <height> ....
<height> <height> ....
....
```



The heights are non negative integers. The ground has height 0, thus any positive height denotes a building. There is one site plan per test case.



Output format:

1 (if there are any buildings)

O (if there are no buildings)