

Smallest Island

Time Limit: 1 s

Memory Limit: 256 MB



Description

Bikini Bottom is a city on the seabed with an area of 100km^2 ($10\text{km} \times 10\text{km}$). Windih Batubara is a popular Gaming Youtuber in Bikini Bottom. Every day, Windih spends his day live streaming himself playing games and always gets a lot of views. However, because he was starting to feel burnout, Windih decided to temporarily retire. Windih plans to take a vacation to a small island so he can avoid the crowds. However, he did not know which island he would live on. He had tried to ask Larry the Lobster, but Larry didn't know the smallest island in Bikini Bottom either. Even though Windih knows Spongebob & Patrick, he doesn't want to ask them because they once beat Windih on one of his livestreams. Therefore, since you are a loyal viewer of Spongebob Squarepants and really understand the ins and outs of the city of Bikini Bottom, help Windih to find the smallest island in Bikini Bottom! The given map will be a 10×10 , where each unit has an area of 1 km^2 . There will be 2 possible values for each element, **1** for Land & **0** for sea. Therefore, based on the given map, the area of the top-left island will be 14 km^2 , mid island will be 8 km^2 , bottom-right will be 11 km^2 . Hence, the smallest island will be 8 km^2 .

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 |
| 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |

Input

- For each **10** x **10** lines, there will be two possibilities **1** & **0**

Output

- Print **Smallest island is: N km^2**, where **N** is the area of the smallest island.
- If there is no island, print **There is no island!**

EXAMPLE

| Input | | | | | | | | | |
|----------------------------|--|--|---|---|---|---|---|---|---|
| | | | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| | | | 1 | 1 | 1 | 0 | 0 | 1 | 0 |
| | | | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| | | | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | | | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| | | | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| | | | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| Output | | | | | | | | | |
| Smallest island is: 8 km^2 | | | | | | | | | |