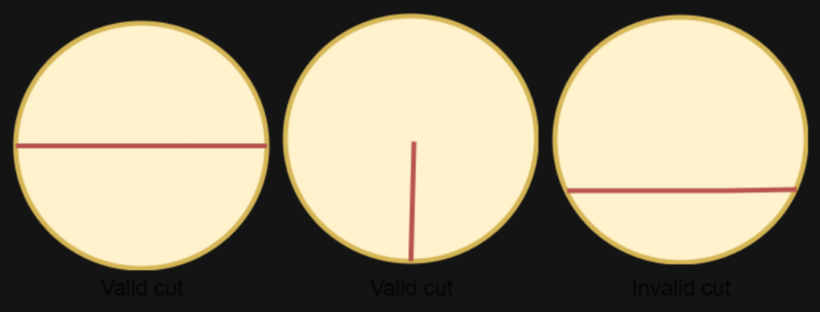
2481. Minimum Cuts to Divide a Circle

Description

A **valid cut** in a circle can be:

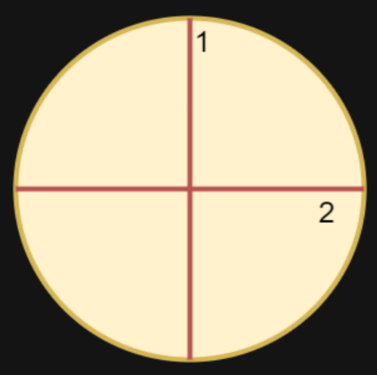
- A cut that is represented by a straight line that touches two points on the edge of the circle and passes through its center, or
- A cut that is represented by a straight line that touches one point on the edge of the circle and its center.

Some valid and invalid cuts are shown in the figures below.



Given the integer `n`, return *the* ***minimum*** *number of cuts needed to divide a circle into* `n` *equal slices*.

Example 1:

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Input: n = 4
Output: 2
Explanation:
The above figure shows how cutting the circle twice through the middle divides it into 4 equal slices.
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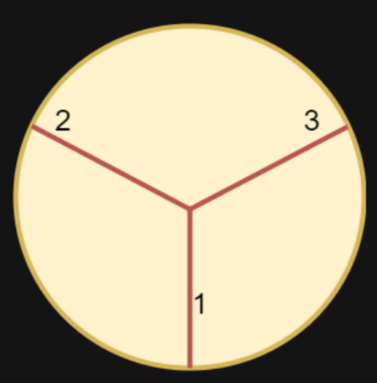
Example 2:




```
Input: n = 3
Output: 3
Explanation:
At least 3 cuts are needed to divide the circle into 3 equal slices.
It can be shown that less than 3 cuts cannot result in 3 slices of equal size and shape.
Also note that the first cut will not divide the circle into distinct parts.
```

Constraints:

- `1 <= n <= 100`