
Clock angles

X57878_en

It is noon and Jordi notices that the hour and minute hands are overlapping. Jordi has to leave in m minutes. What angle will the two hands form when he leaves?

Input

The input consists of a single integer m , with $0 \leq m \leq 10080$. It is guaranteed that m is a multiple of 30.

Output

Write an integer, the angle formed by the two hands in degrees.

Sample input

```
0
30
60
180
540
10080
```

Sample output

```
0
165
30
90
90
0
```

Problem information

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