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**Clock angles****X57878\_en**

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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 1**

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

**Sample output 1**

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

**Problem information**

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