Asynchronous Update

Rebu is a popular food delivery service, and customers love to watch the app and follow their delivery driver on the map.

In order to reduce network and server traffic, the app only updates the display periodically. Starting at time 0, the app updates the display every 10 seconds, and the driver reports their location every D seconds. Both schedules continue indefinitely. At each display update, the app shows the most recently reported location. If a report and a display update occur at the same time, the new report is displayed immediately. The time between when the location was most recently reported and when the display is updated is called the **lag** of that update. What is the maximum lag experienced over all display updates if the display is updated indefinitely?

For example, if $D = 15$, the driver location is reported at times 0, 15, 30, and so on. The lags for the first two display updates at times 0 and 10 seconds are 0 and 10 seconds, respectively, because the driver last reported their location at time 0. At the next display update at 20 seconds, the lag is 5 seconds because the location was last reported at 15 seconds.

Input

There is one line of input containing a single integer D ($1 \leq D \leq 100$).

Output

Output a single integer representing the maximum lag over all display updates.

Sample Input 1	**Sample Output 1**
15	10
Sample Input 2	**Sample Output 2**
1	0
Sample Input 3	**Sample Output 3**
7	6