Logo

STUDENT REPORT

DETAILS

Name

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Roll Number

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EXPERIMENT

Title

PRINTING JOB

Description

There is a printing shop where the customers submit their print jobs at regular intervals, and each job takes a fixed amount of time to complete. You are given an integer value N denoting the total number of print jobs, and X denoting the time duration after which the next print job arrives

Your task is to find and return an integer value representing how long the last job will have to wait in the queue considering one print will take exactly 10 minutes.

Input Specification:

input1: An integer value N representing the number of printing jobs.

input2: An integer value X representing the time duration after which the next print job arrives.

Output Specification:

Return an integer value representing how long the last job will have to wait in the queue.

Example:

Sample input:

5 5

Sample output:

20

Explanation:

1st print job takes 10 mins. second print job has come at t=5 mins

2nd print job starts at t=10 mins and finishes at t=20 min. Third print job has come at t=10 mins

3rd print job starts at t=20 min and finishes at t=30 min. Fourth print job comes at t=15 mins

4th print job starts at t=20 min and finishes at t=40 mins. Fifth print job comes at t=20 mins.

So teh last print job has to wait 40-20=20 mins for the print job to start.

Source Code:

```
n,x=map(int,input().split())

if n==0:
    print(0)
else:
    last_job=(n-1)*x
    total=(n-1)*10
    wait=total-last_job
    print(wait)
```

RESULT

4 / 5 Test Cases Passed | 80 %