



Reach the Target

Unscored



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Problem Code: REACHTARGET

Status: ✓ Solved

Statement

Submissions

Comments

PYTH 3



Problem

There is a cricket match going on between two teams A and B .

Team B is batting second and got a target of X runs. Currently, team B has scored Y runs. Determine how many more runs Team B should score to **win** the match.

Note: The target score in cricket matches is one more than the number of runs scored by the team that batted first.

Input Format

- The first line of input will contain a single integer T , denoting the number of test cases.
- Each test case consists of two space-separated integers X and Y , the target for team B and the current score of team B respectively.

Output Format

For each test case, output how many more runs team B should score to win the match.

Constraints

- $1 \leq T \leq 10$
- $50 \leq Y < X \leq 200$

Sample 1:

```
1 t=int(input())
2 while(t):
3     x,y=input().split()
4     print(int(x)-int(y))
5     t-=1
```

4:8

Test against Custom Input

```
4
200 50
100 00
```

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Total Prize Money

Difficulty Rating: 296



Expand



Prev Problem

Next Problem



Statement

Hints

Submissions

Solution

PYTH 3



Problem

In a coding contest, there are prizes for the top rankers. The prize scheme is as follows:

- Top 10 participants receive rupees X each.
- Participants with rank 11 to 100 (both inclusive) receive rupees Y each.

Find the total prize money over all the contestants.

Input Format

- First line will contain T , number of test cases. Then the test cases follow.
- Each test case contains of a single line of input, two integers X and Y - the prize for top 10 rankers and the prize for ranks 11 to 100 respectively.

Output Format

For each test case, output the total prize money over all the contestants.

Constraints

- $1 \leq T \leq 1000$
- $1 \leq Y \leq X \leq 1000$

Sample 1:

Input	Output
4	19000
1000 100	100000

```
1 t=int(input())
2 while(t):
3     x,y=map(int,input().split())
4     print(10*x+90*y)
5     t-=1
```

4:9

Test against Custom Input

```
4
1000 100
1000 1000
80 1
```

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Chef and Water Bottles

Difficulty Rating: 662



Expand



Prev Problem

Next Problem



Statement

Hints

Submissions

Solution

PYTH 3



Problem

Chef has N empty bottles where each bottle has a capacity of X litres.

There is a water tank in Chefland having K litres of water. Chef wants to fill the empty bottles using the water in the tank.

Assuming that Chef does not spill any water while filling the bottles, find out the **maximum** number of bottles Chef can fill completely.

Input Format

- First line will contain T , number of test cases. Then the test cases follow.
- Each test case contains of a single line of input, three integers N , X , and K .

Output Format

For each test case, output in a single line answer, the **maximum** number of bottles Chef can fill completely.

Constraints

- $1 \leq T \leq 100$
- $1 \leq N, X \leq 10^5$
- $0 \leq K \leq 10^5$

Sample 1:

```
1 t=int(input())
2 while(t):
3     n, x, k = map(int,input().split())
4     c =0
5     while(k>=x and n>0):
6         k = k-x
7         c+=1
8         n = n-1
9     print(c)
10 t-=1
```

9:8

Test against Custom Input

```
3
5 2 8
10 5 4
3 1 4
```

Upload code as file



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Determine the Score

Difficulty Rating: 267



Expand



Prev Problem

Next Problem



Statement

Hints

Submissions

Solution

PYTH 3



Problem

Chef appeared for a placement test.

There is a problem worth X points. Chef finds out that the problem has exactly 10 test cases. It is known that each test case is worth the same number of points.

Chef passes N test cases among them. Determine the score Chef will get.

NOTE: See sample explanation for more clarity.

Input Format

- First line will contain T , number of test cases. Then the test cases follow.
- Each test case contains of a single line of input, two integers X and N , the total points for the problem and the number of test cases which pass for Chef's solution.

Output Format

For each test case, output the points scored by Chef.

Constraints

- $1 \leq T \leq 100$
- $10 \leq X \leq 200$
- $0 \leq N \leq 10$
- X is a multiple of 10.

Sample Input 1:

```
1 t=int(input())
2 while(t):
3     x,y=map(int,input().split())
4     print(int((x/10)*y))
5     t-=1
```

0:0

Test against Custom Input

```
4
10 3
100 10
130 4
```

Upload code as file

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