

The test has a total of N questions and Chef will necessarily attempt all questions

- Each question carries 3 marks for a correct answer
- and -1 for an incorrect answer.

It is known that Chef got X questions correct and the rest of them incorrect.

For Chef to pass the course he must score at least P marks.

Will Chef be able to pass the exam or not?

Input Format

- First line will contain T , number of testcases. Then the testcases follow.
- Each testcase contains of a single line of input, three integers N, X, P .

Output Format

For each test case output "PASS" if Chef passes the exam and "FAIL" if Chef fails the exam.

Sample 1:

Input	Output
3	PASS
5 2 3	FAIL
5 2 4	FAIL
4 0 0	

Explanation:

Test case 1: Chef gets 2 questions correct giving him 6 marks and since he got 3 questions incorrect so he faces a penalty of -3 . So Chef's final score is 3 and the passing marks are also 3, so he passes the exam :)

Test case 2: Chef's total marks are 3 and since the passing marks are 4, Chef fails the test :(

Test case 3: Chef got all the problems wrong and thus his total score is -4 . Since the passing marks are 0, Chef fails the exam :(

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1 # Solution as follows
2
3 t = int(input())
4 for i in range(t):
5     N, X, P = map(int,input().split())
6
7     #Equation for calculating Chef's score
8     score = X*3 + (-1)*(N-X)
9
10    #Check conditions for Chef's score
11    if score >= P:
12        print('PASS')
13    else:
14        print('FAIL')
```

Test against Custom Input

```
3
5 2 3
5 2 4
4 0 0
```