

Pass or Fail

Anusree is struggling to pass a certain college course.

The test has a total of N question, each question carries 3 marks for a correct answer and -1 for an incorrect answer. Anusree is a risk-averse person so he decided to attempt all the questions. It is known that Anusree got X questions correct and the rest of them incorrect. For Anusree to pass the course he must score at least P marks.

Will Anusree 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.

You may print each character of the string in uppercase or lowercase (for example, the strings "pAas", "pass", "Pass" and "PASS" will all be treated as identical).

Sample Input 1

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

Sample Output 1

```
PASS
FAIL
FAIL
```

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C Program

```
#include <stdio.h>

int main()
{
    int t;
    scanf("%d",&t);
    while(t--)
    {
        int n,p,x,result,wr;
        scanf("%d%d%d",&n,&x,&p);
        wr=n-x;
        result=x*3-wr;
        if(result>=p)
        {
            printf("pass\n");
        }
        else
        {
            printf("fail\n");
        }
    }

    return 0;
}
```

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C++ Program

```
#include <iostream>
```

```
using namespace std;
```

```
int main() {
```

```
    int t;
```

```
    cin>>t;
```

```
    while(t--){
```

```
        int n,x,p;
```

```
        cin>>n>>x>>p;
```

```
        int marks=4*x-n;
```

```
        if(marks>=p){
```

```
            cout<<"pass"<<"\n";
```

```
        }
```

```
        else{
```

```
            cout<<"fail"<<"\n";
```

```
        }
```

```
    }
```

```
    return 0;
```

```
}
```

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JAVA

```
import java.util.*;
import java.lang.*;
import java.io.*;

class Main
{
    public static void main (String[] args) throws java.lang.Exception
    {
        int n;
        Scanner sc=new Scanner(System.in);
        n=sc.nextInt();
        int t[]=new int [n];
        int c[]=new int [n];
        int m[]=new int [n];
        int i;
        for(i=0;i<n;i++)
        {
            t[i]=sc.nextInt();
            c[i]=sc.nextInt();
            m[i]=sc.nextInt();
        }
        for(i=0;i<n;i++)
        { if(((c[i]*4)-t[i])>=m[i] )
            {
                System.out.println("Pass");
            }

            else{
                System.out.println("Fail");
            }
        }
    }
}
```

```
    }  
  }  
}
```



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PYTHON

```
a = int(input())
for i in range(a):
    n,x, p = list(map(int,input().split()))
    g = n-x
    if ((x*3)-g)>=p:
        print("pass")
    else:
        print("fail")
```



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