Find Product

You have been given an array A of size N consisting of positive integers. You need to find and print the product of all the number in this array Modulo (10^9+7).

Input Format :

The first line contains a single integer N denoting the size of the array. The next line contains N space separated integers denoting the elements of the array

Output Format :

Print a single integer denoting the product of all the elements of the array Modulo .

SAMPLE INPUT

- 5
- 1 2 3 4 5

SAMPLE OUTPUT

120

In [1]:

```
def FindProduct(x):
    mul=1
    for num in x.split():
        mul=(mul*int(num))%((10**9)+7)
    print(mul)
    return

N=int(input())

data=input()

FindProduct(data)
```

```
5
1 2 3 4 5
120
```

In [ ]:

```

```

Goki and his breakup

Goki recently had a breakup, so he wants to have some more friends in his life. Goki has N people who he can be friends with, so he decides to choose among them according to their skills set Yi(1<=i<=n). He wants atleast X skills in his friends. Help Goki find his friends.

INPUT

- First line of the input contains an integer N denoting the number of people.
- Next line contains a single integer X - denoting the minimum skill required to be Goki's friend.
- Next n lines contain one integer Y - denoting the skill of ith person.

OUTPUT

For each person print if he can be friend with Goki. 'YES' (without quotes) if he can be friends with Goki else 'NO' (without quotes).

CONSTRAINTS

- 1<=N<=1000000
- 1<=X,Y<=1000000

SAMPLE INPUT

5 100

- 110
- 130
- 90
- 100
- 45

SAMPLE OUTPUT

- YES
- YES
- NO
- YES
- NO

In [5]:

```
def GokiBreakup(Req,Val):
    if Req<=Val:
        print("YES")
    else:
        print("NO")


N=int(input())
req=int(input())

for x in range(0,N):
    val=int(input())
    GokiBreakup(req,val)
```

```
5
100
110
YES
130
YES
90
NO
100
YES
45
NO
```

In [ ]:

```

```

Bricks Game

Patlu and Motu works in a building construction, they have to put some number of bricks N from one place to another, and started doing their work. They decided , they end up with a fun challenge who will put the last brick.

They to follow a simple rule, In the i'th round, Patlu puts i bricks whereas Motu puts ix2 bricks.

There are only N bricks, you need to help find the challenge result to find who put the last brick.

Input:

First line contains an integer N.

Output:

Output "Patlu" (without the quotes) if Patlu puts the last bricks ,"Motu"(without the quotes) otherwise.

Constraints:

1 ≤ N ≤ 10000

SAMPLE INPUT

13

SAMPLE OUTPUT

Motu

Explanation

Sample Explanation:

13 bricks are there :

- Patlu Motu
- 1 2
- 2 4
- 3 1 (Only 1 remains)

  Hence, Motu puts the last one.

In [6]:

```
## Partially Execuited

def BricksGame(x):
    if (x%3==0) or x==1:
        print("Patlu")
    else:
        print("Motu")
    return

N=int(input())
BricksGame(N)
```

```
13
Motu
```

In [3]:

```
def AmanSharma(x,d):
    tofee=0
    if(float(x)>=d):
        tofee+=1
    return tofee

days=int(input())
tofee1=0
for x in range(0,days):
    x=input()
    x=x.split()
    r=int(x[0])
    Hor=int(x[1])

    distance=2*(22/7)*r
    capacity=Hor*100

    m=AmanSharma(capacity,distance)
    tofee1+=m
print(tofee1)
```

```
3
3 2
5 2
1 2
3
```