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Java Loops II ☆

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We use the integers a, b, and n to create the following series:

$$(a+2^0\cdot b), (a+2^0\cdot b+2^1\cdot b), \ldots, (a+2^0\cdot b+2^1\cdot b+\ldots +2^{n-1}\cdot b)$$

You are given q queries in the form of a, b, and n. For each query, print the series corresponding to the given a, b, and n values as a

You are given q queries in the form of a , b , and n . For each query, print the series corresponding to the given a , b , and n values as a single line of n space-separated integers.
Input Format
The first line contains an integer, q , denoting the number of queries. Each line i of the q subsequent lines contains three space-separated integers describing the respective a_i , b_i , and n_i values for that query.
Constraints
• $0 \le q \le 500$ • $0 \le a,b \le 50$ • $1 \le n \le 15$ Output Format
For each query, print the corresponding series on a new line. Each series must be printed in order as a single line of n space-separated integers.
Sample Input
2 0 2 10 5 3 5
Sample Output
2 6 14 30 62 126 254 510 1022 2046 8 14 26 50 98
Explanation
We have two queries:
1. We use $a=0$, $b=2$, and $n=10$ to produce some series s_0,s_1,\ldots,s_{n-1} : $s_0=0+1\cdot 2=2$ $s_1=0+1\cdot 2+2\cdot 2=6$ $s_2=0+1\cdot 2+2\cdot 2+4\cdot 2=14$
and so on.
Once we hit $n=10$, we print the first ten terms as a single line of space-separated integers.
2. We use $a=5$, $b=3$, and $n=5$ to produce some series s_0,s_1,\ldots,s_{n-1} : $ \circ \ s_0=5+1\cdot 3=8 $ $ \circ \ s_1=5+1\cdot 3+2\cdot 3=14 $ $ \circ \ s_2=5+1\cdot 3+2\cdot 3+4\cdot 3=26 $ $ \circ \ s_3=5+1\cdot 3+2\cdot 3+4\cdot 3+8\cdot 3=50 $
$\circ \ \ s_4 = 5 + 1 \cdot 3 + 2 \cdot 3 + 4 \cdot 3 + 8 \cdot 3 + 16 \cdot 3 = 98$
We then print each element of our series as a single line of space-separated values.

```
Author
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Difficulty
                               Easy
Max Score
                                10
Submitted By
                            134269
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```

```
K N W
Current Buffer (saved locally, editable) 🔑 🖔
                                                                        Java 7
 1 ▼ import java.util.*;
 2 import java.io.*;
 3
 4 ▼ class Solution{
         public static void main(String []argh){
             Scanner in = new Scanner(System.in);
 6
             int t=in.nextInt();
 7
             for(int i=0;i<t;i++){
 8 ▼
 9
                 int a = in.nextInt();
10
                 int b = in.nextInt();
11
                 int n = in.nextInt();
12
             }
      error: cannot find symbol
13 ▼
              if(n==0){
       error: cannot find symbol
14
                  System.out.println(a+b);
15
              }
16
17
18
             in.close();
19
         }
20 }
                                                                                           Line: 12 Col: 10
```

1 Upload Code as File Test against custom input Run Code Submit Code

Compilation error :(

Check the compiler output, fix the error and try again.

```
Compile Message
Solution.java:13: error: cannot find symbol
         if(n==0){
  symbol: variable n
  location: class Solution
Solution.java:14: error: cannot find symbol
             System.out.println(a+b);
  symbol: variable a
  location: class Solution
 Solution.java:14: error: cannot find symbol
             System.out.println(a+b);
   symbol: variable b
  location: class Solution
 3 errors
Exit Status
 255
```