Challenges Submissions

Leaderboard



Contest ends in 11 Hours 4 Minutes 19 Seconds



NumWays

Explanation:

{}, {1}, {2}, {3}, {2, 3}

Max Score: 50

```
How many ways can you choose a subset from the set P = \{1, 2, 3, ..., n\}? The subset S should meet the following 2 conditions:
 • When you choose x (x \in P, x \text{ is an element of the set P}) to create S, you cannot choose a * x and b * x for S.
• S should not contain any elements in set C = \{c_1, c_2, ..., c_m\}
Input format:
n a b
m\;c_1\,c_2\,...\;c_m
Output format:
(number of ways of forming S) % 1000000007 i.e., remainder when S is divided by 1000000007.
Constraints:
1 <= n <= 1000
2 \le a \le b \le n
b % a != 0 ( b is not divisible by a)
0 \le m \le 10
1 <= c_i <= n
Sample Input:
323
0
Sample Output:
```

```
C++
                                                                                   Revert Code
                                                                                                   Switch to fullscreen
     #include <cmath>
    #include <cstdio>
#include <vector>
    #include <iostream>
     #include <algorithm>
 5
6
7
    using namespace std;
 8
 9
    int main() {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
10
          return 0;
11
12
13
```

Chat

Use a custom test case

Compile & Test
Submit Code

⚠ Upload Code as File

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