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beecrowd

SOURCE CODE

EDIT & SUBMIT

VISUALIZE THE SOURCE CODE OF YOUR SUBMISSION, PLUS SOME EXTRA DETAILS.

LIVE
What others are solving.

LIST
List all your submissions.

TRIED
Problems not solved yet.

FAQS
Need help using the tool?

ANSWERS
What does this mean?

SUBMISSION # 25430013

PROBLEM:	1119 - The Dole Queue
ANSWER:	**Accepted**
LANGUAGE:	C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]
RUNTIME:	0.000s
FILE SIZE:	921 Bytes
MEMORY:	-
SUBMISSION:	11/25/21, 2:22:58 AM

SOURCE CODE

```
1   #include <bits/stdc++.h>
2
3   using namespace std;
4
5   int main() {
6       int N=-1, k=-1, m=-1;
7       int a, b, c, i, e, f;
8       vector<int> v(100,0);
9       int cont;
10      while(cin >> N >> k >> m && N) {
11
12          cont++;
13
14          e = 0;
15          f = N - 1;
16
17          for(i = 0; i < N; i++)
18              v[i] = i + 1;
19
20          c = 0;
```

```
23              while (i > 0){
24                  if(v[e] > 0)
25                      i--;
26                  if(i == 0)
27                      a = e;
28                  e = (e + 1) % N;
29              }
30              i = m;
31              while(i > 0) {
32                  if(v[f] > 0)
33                      i--;
34                  if(i == 0)
35                      b = f;
36                  f = (f + N - 1) % N;
37              }
38              if(c > 0)
39                  cout <<",";
40              if(a != b) {
41                  printf("%3d%3d", v[a], v[b]);
42                  c += 2;
43              }
44              else {
45                  printf("%3d", v[a]);
46                  c++;
47              }
48              v[a] = v[b] = 0;
49          }
50          cout <<endl;
51      }

53      return 0;
54 }
```