

```
1  #include <stdio.h>
2  #include <limits.h>
3
4  int main() {
5      int K;
6      int M, N;
7      int best_i;
8      scanf("%d", &K);
9      scanf("%d %d", &M, &N);
10
11     if(M == 0) {
12         printf("0 %d", K);
13     } else {
14         int minDays = INT_MAX;
15         int i;
16         for(i = 1; i <= K; ++i) {
17             int largeDays = 0;
18             int A = 6*i;    // Change to actual capacity
19             if(A > 0) {
20                 largeDays = (M - 1 + A) / A;
21             }
22             int smallDays = 0;
23             int B = 10*(K - i);
24             if(B > 0) {
25                 smallDays = (N - 1 + B) / B;
26             } else if(B == 0 && N > 0) {
27                 smallDays = INT_MAX;
28             }
29
30             int days;
31             if(largeDays >= smallDays) {
32                 days = largeDays;
33             } else {
34                 days = smallDays;
35             }
36
37             if(days < minDays) {
38                 minDays = days;
39                 best_i = i;
40             }
41         }
42
43         printf("%d %d", best_i, K - best_i);
44     }
45
46     return 0;
47 }
48
```