

```

1  #include <stdio.h>
2
3  int main() {
4      int box1_1 = 15;
5      int box1_2 = 10;
6      int box1_3 = 8;
7
8      int box2_1 = 25;
9      int box2_2 = 15;
10     int box2_3 = 12;
11
12     int box3_1 = 50;
13     int box3_2 = 40;
14     int box3_3 = 20;
15
16     int N, B1, B2, B3, i;
17     scanf("%d", &N);
18     scanf("%d %d %d", &B1, &B2, &B3);
19     for(i = 0; i < N; ++i) {
20         int A, B, C;
21         scanf("%d %d %d", &A, &B, &C);
22         if(B1 > 0 && A <= box1_1 && B <= box1_2 && C <= box1_3) {
23             printf("1\n");
24             --B1;
25         } else if(B2 > 0 && A <= box2_1 && B <= box2_2 && C <= box2_3) {
26             printf("2\n");
27             --B2;
28         } else if(B3 > 0 && A <= box3_1 && B <= box3_2 && C <= box3_3) {
29             printf("3\n");
30             --B3;
31         } else if(A <= box3_1 && B <= box3_2 && C <= box3_3) {
32             printf("Box not available\n");
33         } else {
34             printf("Oversize product\n");
35         }
36     }
37
38     return 0;
39 }
40

```