

```
1  #include <stdio.h>
2
3  int main() {
4      int X, Y;
5      int M, N;
6      scanf("%d %d", &X, &Y);
7      scanf("%d %d", &M, &N);
8
9      int nPlates = 2*M + N;
10     int nSticks = 6*M + 4*N;
11
12     int nPlateLeft = X - nPlates;
13     int nStickLeft = Y - nSticks;
14     if(nPlateLeft >= 0 && nStickLeft >= 0) { // Sufficient
15         printf("Yes %d %d", nPlateLeft, nStickLeft);
16     } else {
17         if(nPlateLeft < 0 && nStickLeft < 0) {
18             printf("No %d %d", - nPlateLeft, -nStickLeft);
19         } else if(nPlateLeft < 0 && nStickLeft >= 0) {
20             printf("No %d 0", - nPlateLeft);
21         } else if(nPlateLeft >= 0 && nStickLeft <= 0) {
22             printf("No 0 %d", - nStickLeft);
23         }
24     }
25
26     return 0;
27 }
28
```