

## Problem C. Pianist

Input file: *standard input*  
Output file: *standard output*  
Time limit: 1 second  
Memory limit: 512 mebibytes

A pianist wants to play the piano.

The piano has  $10^{100}$  keys, and the keys are labeled  $A, B, C, D, E, F, G, A, B, \dots$  from the left to the right. The pianist wants to satisfy the following constraints:

- He chooses an  $A$  key, and starts playing the piano by pressing the chosen key.
- After he presses the  $i$ -th key, he can press either the  $i - 1$ -th key or the  $i + 1$ -th key in the next step.
- After he presses an  $A$  key, he can also stop playing the piano.
- The first  $A$  key and the last  $A$  key he plays are not necessarily the same.
- He must press  $A$  keys (it doesn't matter which  $A$  keys) exactly  $C_1$  times.
- Similarly, he must press  $B, C, D, E, F, G$  keys exactly  $C_2, \dots, C_7$  times, respectively.

Determine if it is possible to satisfy all the constraints above.

### Input

$C_1$   $C_2$   $C_3$   $C_4$   $C_5$   $C_6$   $C_7$

- $0 \leq C_i \leq 10^{10}$
- $\sum C_i > 0$

### Output

Print "YES" if it is possible to satisfy all the constraints, and "NO" otherwise.

### Examples

standard input	standard output
2 1 1 1 1 1 1	YES
1 1 1 1 1 1 1	NO
3 1 0 10000000000 10000000000 0 1	NO
1 0 0 0 0 0 0	YES

### Note

In Sample 1, he can play  $A, B, C, D, E, F, G, A$ .