# Knight Moves

The following problem requires you to determine whether a particular cell **(M, N)** is reachable in **less than or equal to K** moves. As a reminder a knight moves in an L-shaped fashion, that is, two vertical cells and one horizontal cell, or one vertical cell and two horizontal cells. The knight is originally placed at (1,1).
A chessboard is of dimensions 8x8.

## Input format
The only line of input consists of three space separated integers - **M**, **N**, **K**.

## Output format
Output "YES" (without quotes) if the cell is reachable else "NO" (without quotes).

## Sample Input
3 6 3

## Sample Output
YES

## Time limit
1 second