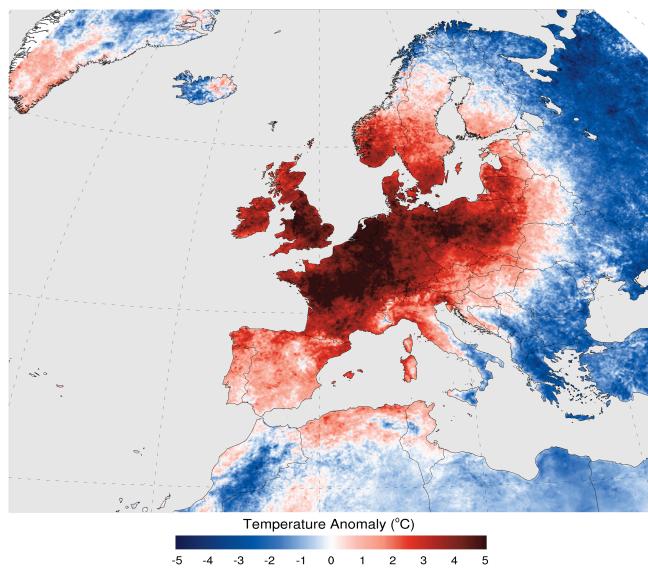




A: Heat Wave



In Paris, a day is considered to part of a heatwave when the temperature at 12:00 is greater than or equal to 31 degree Celsius and the temperature at 22:00 is greater than or equal to 21 degree Celsius.

Given the temperature at 12:00 and the temperature at 22:00 for one day, determine whether this day is considered to be part of a heatwave.

Input

The input contains a single line containing 2 space-separated integers, T_d T_n , the temperature at 12:00 and the temperature at 22:00. You are guaranteed that temperatures are in the range 0..50.

Output

The output contains a single line containing either YES if the day is considered to be part of a heatwave and NO otherwise.

Sample Input 1

```
35 25
```

Sample Output 1

```
YES
```

Sample Input 2

```
15 4
```

Sample Output 2

```
NO
```