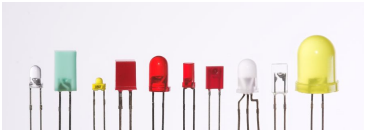
Problem B
Das Blinkenlights


Photo by Afrank99

There are two lights that blink at regular intervals. When each one blinks, it turns on and then immediately back off; they don't toggle. They are both off at time $t = 0$. The first one blinks at $t = p, 2p, 3p, \ldots$ seconds; the second one blinks at $t = q, 2q, 3q, \ldots$ seconds. Once they start, they both keep blinking forever. It is *very* exciting to see them blink at the same time (on the same second). But your patience is going to run out eventually, in s seconds. Will they blink at same time between $t = 1$ and $t = s$ (inclusive)? Write a program that can answer this question, quick, before they start blinking again!

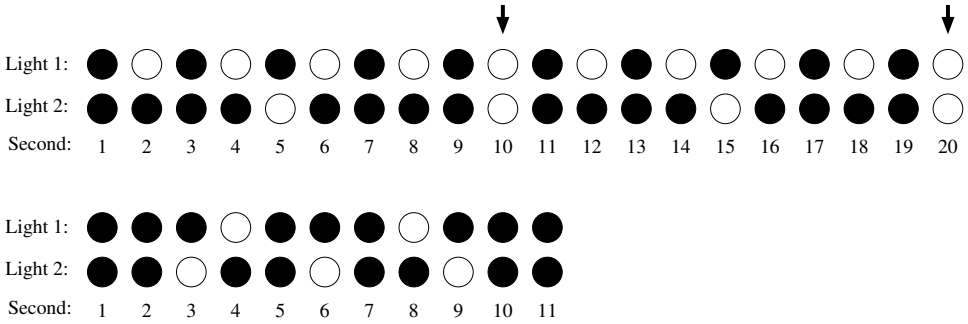


Figure B.1: Illustration of the sample inputs. A black circle means the light is off, a white circle means the light blinks at that second. The arrows above point out times when both lights blink.

Input

Input consists of one line containing three space-separated integers p, q, and s. The bounds are $1 \leq p, q \leq 100$ and $1 \leq s \leq 10\,000$. The first light blinks every p seconds, the second every q seconds. The value of s represents the maximum number of seconds to consider when determining if the two lights blink at the same time.

Output

Output `yes` if the two lights blink on the same second between time 1 and time s, or `no` otherwise.

Sample Input 1	Sample Output 1
`2 5 20`	`yes`

Sample Input 2	Sample Output 2
`4 3 11`	`no`

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