Accelerated Reading

Oh no, Butch still needs to finish his AR book! (Yes, upperclassmen, laugh at him.) He procrastinated so much, in fact, that he's not sure if he'll finish in time for the end of the day. He'd calculate it himself, but if he can, he'll probably need every minute he can get. Assuming Butch reads P ($0 \leq P \leq 100$) pages per minute, has L ($0 \leq L \leq 1000$) pages left, and has M ($0 \leq M \leq 30$) minutes to finish, please help us to determine if Butch can finish.

Input

Line 1: 3 space-separated integers, P, L, and M.

Output

Line 1: 'yes' if he can finish, or 'no' if he can't.

Example

Input:
2 30 10

Output:
no