A. Rewards

time limit per test: 1 second
memory limit per test: 256 megabytes
input: standard input
output: standard output

Bizon the Champion is called the Champion for a reason.

Bizon the Champion has recently got a present — a new glass cupboard with n shelves and he decided to put all his presents there. All the presents can be divided into two types: medals and cups. Bizon the Champion has a_1 first prize cups, a_2 second prize cups and a_3 third prize cups. Besides, he has b_1 first prize medals, b_2 second prize medals and b_3 third prize medals.

Naturally, the rewards in the cupboard must look good, that's why Bizon the Champion decided to follow the rules:

- any shelf cannot contain both cups and medals at the same time;
- no shelf can contain more than five cups;
- no shelf can have more than ten medals.

Help Bizon the Champion find out if we can put all the rewards so that all the conditions are fulfilled.

Input

The first line contains integers a_1, a_2 and a_3 ($0 \le a_1, a_2, a_3 \le 100$). The second line contains integers b_1, b_2 and b_3 ($0 \le b_1, b_2, b_3 \le 100$). The third line contains integer n ($1 \le n \le 100$).

The numbers in the lines are separated by single spaces.

Output

Print "YES" (without the quotes) if all the rewards can be put on the shelves in the described manner. Otherwise, print "NO" (without the quotes).

Examples

input
1 1 1 1 1 1 4
output
YES

input
1 1 3 2 3 4 2
output
YES

input
1 0 0 1 0 0 1
output
NO

Codeforces Round #256 (Div. 2)
Finished

→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ACM-ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

→ Problem tags

implementation

No tag edit access

→ Contest materials

- Announcement
- Tutorial

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Desktop version, switch to mobile version.