GFSSOC '17 J2 - Admission Average

Time limit: 2.0s   **Memory limit:** 64M

Ace is applying to the University of Waterloo Software Engineering and he wants to know whether his top 6 average and Admission Information Form. Given his top six integer grades, $(1 \leq grade \leq 100)$ and an integer AIF score $(0 \leq score \leq 5)$, determine if he can get in. The average is the average of the top 6 grades plus the AIF score. Waterloo sets the minimum integer admission requirement $(0 \leq requirement \leq 105)$. Output yes if Ace can make it. Otherwise, output no .

Input Specification

The first six lines of input are his six integer marks.
The next line is the integer AIF score.
The final line is the integer admission requirement.

Output Specification

 yes if Ace can get into Waterloo Software Engineering, no if he cannot.

Sample Input 1

```
95
96
92
88
98
94
5
96
```

Sample Output 1

```
yes
```

Sample Input 2

```
75
79
69
72
88
90
3
82
```

Sample Output 2

```
no
```