

GFSSOC '17 J2 - Admission Average

Ace is applying to 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 if Ace can make it. Otherwise, output .

Input Specifications

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 Specifications

if Ace can get into Waterloo Software Engineering, 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