Repeat Your Tasks

Engineer Amal always needs the best work , she always says bad bad repeat your tasks again.she gave her students three tasks T1,T2,T3 . after they finish she will give a degree for each task if the squere of the sum of all tasks is greater than or equal the optimal degree N so tasks will be accepted otherwise tasks not accepted.Your job now to create a program to check if tasks are accepted or no.

Input

The first line of input contains one integer $N(0<N \leq 10^6)$.
The second line of input contains 3 integers T1,T2,T3 $(0 \leq T1,T2,T3 \leq 10^6)$.

Output

Print "Accepted" or "Not Accepted" (without quotes), depending on the answer.

Examples

Input:
35
1 2 3
Output:
Accepted

Input:
50
1 1 1
Output:
Not Accepted