

QCC P0 - Thermometer

Time limit: 1.0s **Memory limit:** 64M

A new virus named COVID-19 is going around. To make sure that everyone in your family is healthy, you've decided to create a virtual thermometer. Having done some research, you've decided that given a temperature T , you will output a single sentence according to the following chart for each of your N family members:

Temperature	Output
$T < 34$	Too cold, please try again.
$34 \leq T \leq 35.5$	Take a hot bath.
$35.5 < T \leq 38$	Rest if feeling unwell.
$38 < T \leq 39$	Take some medicine.
$39 < T \leq 41$	Take a cold bath and some medicine.
$41 < T \leq 46.1$	Go to the hospital.
$46.1 < T \leq 50$	Congrats, you have a new world record!
$50 < T$	Too hot, please try again.

Input Specification

The first line will contain a positive integer N , the number of family members.

The next N lines will each contain a number T , denoting the temperature measured for that family member rounded to exactly one decimal place.

Output Specification

Output N lines, with the i^{th} line containing the corresponding result from the chart for the i^{th} family member.

Constraints

$$1 \leq N \leq 100$$

$$0.0 \leq T \leq 100.0$$

Sample Input

8
6.9
34.1
38.9
37.0
40.0
42.0
69.0
46.9

Sample Output

Too cold, please try again.
Take a hot bath.
Take some medicine.
Rest if feeling unwell.
Take a cold bath and some medicine.
Go to the hospital.
Too hot, please try again.
Congrats, you have a new world record!