Problem A. Is it hot or cold

Time limit	1000 ms
Code length Limit	50000 B
OS	Linux

Chef considers the climate `HOT` if the temperature is **above** 20, otherwise he considers it `COLD`. You are given the temperature C, find whether the climate is `HOT` or `COLD`.

Input Format

- The first line of input will contain a single integer T, denoting the number of test cases.
- The first and only line of each test case contains a single integer, the temperature C.

Output Format

For each test case, print on a new line whether the climate is `HOT` or `COLD`.

You may print each character of the string in either uppercase or lowercase (for example, the strings `hOt`, `hot`, `Hot`, and `HOT` will all be treated as identical).

Constraints

- $1 \leq T \leq 50$
- $0 \leq C \leq 40$

Sample 1

Input	Output
2 21 16	HOT COLD

Test case 1: The temperature is 21, which is more than 20. So, Chef considers the climate `HOT`.

Test case 2: The temperature is 16, which is not more than 20. So, Chef considers the climate `COLD`.

Problem B. Maximise the Tastiness

Time limit	1000 ms
Code length Limit	50000 B
OS	Linux

Chef is making a dish that consists of exactly two ingredients. He has four ingredients A, B, C and D with tastiness a, b, c, and d respectively. He can use either A or B as the first ingredient and either C or D as the second ingredient.

The tastiness of a dish is the sum of tastiness of its ingredients. Find the **maximum** possible tastiness of the dish that the chef can prepare.

Input Format

- The first line of input will contain a single integer T, denoting the number of test cases.
- The first and only line of each test case contains four space-separated integers a, b, c, and d — the tastiness of the four ingredients.

Output Format

For each test case, output on a new line the maximum possible tastiness of the dish that chef can prepare.

Constraints

- $1 \leq T \leq 100$
- $1 \leq a, b, c, d \leq 100$

Sample 1

Input	Output
2 3 5 6 2 16 15 5 4	11 21

Test case 1: Chef can prepare a dish with ingredients B and C with a tastiness of $5 + 6 = 11$.

Test case 2: Chef can prepare a dish with ingredients A and C with a tastiness of $16 + 5 = 21$.