Version Number

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	1024 megabytes

Grammy is playing a game that has multiple versions. Each version has a unique version number composed of numeric segments separated by dots (e.g., "123.24.5155").

When comparing two versions A and B, we compare their corresponding numeric segments **in order**. If the corresponding segment of A is larger than that of B, then version A is considered newer. If the segments are equal, we proceed to the next pair of segments. It is guaranteed that all version numbers in the game have the same number of segments.

Examples

- 1.2.3 vs 1.2.4 $\rightarrow$ B is newer (third segment: $3 < 4$)
- 3.11 vs 3.8 $\rightarrow$ A is newer (second segment: $11 > 8$)
- 3.0 vs 3.0 $\rightarrow$ Equal (all segments equal)

Since newer versions contain additional content, Grammy wants to experience the latest version. Given two version numbers A and B, determine which one is newer and output the result (A or B or "Equal").

Input

The input contains multiple test cases. The first line contains an integer T ($1 \leq T \leq 100$) denoting the number of test cases.

For each test case, there are two lines respectively describing the version number of A and B. It is guaranteed that there are at most 3 dots in each version number, the length of each numeric segment doesn't exceed 9, and the numbers in each segment don't contain any leading zeros.

Output

For each test case, output one line indicating which version is newer, `A` or `B` or "`Equal`".

Example

standard input	standard output
3 1.0.2 1.1.0 123.0 2.100 0 0	B A Equal