

Problem G. Multiplication table

Time limit 1000 ms
Mem limit 262144 kB
OS Windows

Given a number N . Print the multiplication table of the number from 1 to 12

For example: if $N = 1$

$$1 * 1 = 1$$

$$1 * 2 = 2$$

$$1 * 3 = 3$$

$$1 * 4 = 4$$

$$1 * 5 = 5$$

$$1 * 6 = 6$$

$$1 * 7 = 7$$

$$1 * 8 = 8$$

$$1 * 9 = 9$$

$$1 * 10 = 10$$

$$1 * 11 = 11$$

$$1 * 12 = 12$$

Input

Only one line containing a number N ($1 \leq N \leq 50$).

Output

Print 12 lines according to the required above.

Examples

Input	Output
1	$1 * 1 = 1$ $1 * 2 = 2$ $1 * 3 = 3$ $1 * 4 = 4$ $1 * 5 = 5$ $1 * 6 = 6$ $1 * 7 = 7$ $1 * 8 = 8$ $1 * 9 = 9$ $1 * 10 = 10$ $1 * 11 = 11$ $1 * 12 = 12$

Input	Output
10	$10 * 1 = 10$ $10 * 2 = 20$ $10 * 3 = 30$ $10 * 4 = 40$ $10 * 5 = 50$ $10 * 6 = 60$ $10 * 7 = 70$ $10 * 8 = 80$ $10 * 9 = 90$ $10 * 10 = 100$ $10 * 11 = 110$ $10 * 12 = 120$