Array fill I

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Timelimit: 1

Read a number and make a program which puts this number in the first position of an array N[10]. In each subsequent position, put the double of the previous position. For example, if the input number is 1, the array numbers must be 1,2,4,8, and so on.

Input

The imput contains an integer number **V** (**V** < 50).

Output

Print the stored number of each array position, in the form "N[**i**] = **X**", where **i** is the position of the array and **x** is the stored number at the position **i**. The first number for **X** is **V**.

Input Sample	Output Sample
1	N[0] = 1 N[1] = 2 N[2] = 4 ...