UVa Online Judge

10241 Semi-triangular and also Square

Triangular numbers are $1, 3, 6, 10, 15$ etc. Square numbers are $1, 4, 9, 16, 25$ etc. Semi-triangular numbers are numbers of the form $(2n+1)*T$, here $(0 <= n < 8)$ and T is a triangular number. You will have to print all such numbers less than $16E34$ or 160000000000000000000000000000000000, which are semi-triangular and also square.

Input

This program has no input.

Output

The output file contains several lines. Each line contains a number which is semi-triangular and also square. The numbers are printed in ascending order.

Note: Remember that there are no input for this problem. The sample output is only a partial solution.

Sample Input

Sample Output

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1
9
36
196
225
324
900
....
....
.....
.....
.....
.....
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