

Problem Sequence

Input File: SequenceIn.txt
Output File: SequenceOut.txt
Program File: Sequence

The first four numbers in a sequence of integers are: 1, 3, 5 and 7. Any other number in the sequence is obtained by adding the four numbers just before it, however even numbers are not used in the sum. Write a program to generate the first n numbers in the sequence.

Inputs

The number of members of the sequence to be output, n.

Outputs

The first n numbers in the sequence, each separated by a space.

Sample input

15

Sample output

1 3 5 7 16 15 27 49 91 182 167 307 565 1039 2078