PLACEMENTS KEY'S

Coding Challenge #29 (Question)

Day - 15

Consider the series: 0,0,2,1,4,2,6,3,8,4,10,5,12,6,14,7,16,8

Write a program to find the n^{th} term in this series.

This series is a mixture of 2 series. All the odd terms in this series form even numbers in ascending order starting 0 and all even terms are derived from the previous term (x) using the formula (x/2).

Input Format:

The value n is a positive integer that should be read from STDIN.

Output Format:

The n^{th} term that is calculated by the program should be written to STDOUT. Other than the value of the n^{th} term no other character /string or message should be written to STDOUT. .

Sample Input 0:

5

Sample Output 0:

4

Sample Input 1:

10

Sample Output 1:

4

PLACEMENTS KEY'S

Coding Challenge #30 (Question)

Day - 15

Program to find the hypotenuse of a triangle.

Get the opposite and adjacent sides from the user and calculate and display the hypotenuse of the given triangle. The output is a floating-point value with precision 2.

Sample Input 0:

2.5

3.5

Sample Output 0:

4.30

Sample Input 1:

5.8

6.8

Sample Output 1:

8.94