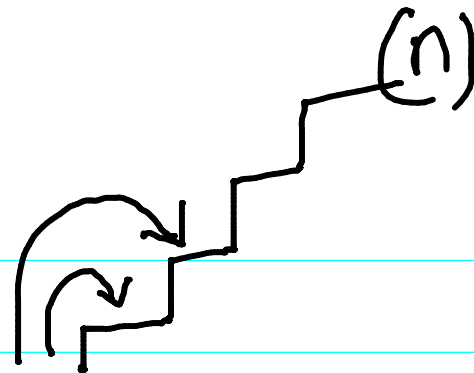


1 step, 2 step



input $\div 2$

output $\div 2$

1 step + 1 step
2 step

input = 4
output = 5

1 + 1 + 1 + 1, 1 + 1 + 2, 1 + 2 + 1
2 + 1 + 1, 2 + 2

input $\div 3$

output = 3

1 + 1 + 1

2 + 1

1 + 2



3 = 2 + 1

0 = 1

1 = 1

2 = (0 + 1) 2 = 1 + 1 = 2
3 = 2 + 1 = 3
1 = 1 + 0 4 = 3 + 2 = 5

↓ ①



int[0] = 1
int[1] = 1

for (int i = 2; i < n; i++)
int[i] = int[i-2] + int[i-1]

$$I = 1, X = 10, C = 100, M = 1000$$

$$\underline{V} = 5, L = 50, D = 500$$

\Rightarrow

input = 8
output =

VIII

$$94 = CIV$$

$$\begin{array}{r} 499 \\ 400 - CD \\ \hline 99 \end{array}$$

input = 9

IX

$$15 = XV$$

$$\begin{array}{r} 90 - XL \\ \hline 9 - IX \end{array}$$

input = 56

LVI

$$14 = XIV$$

$$CD - XL = CIX$$

109

CIX

1776

$$\begin{array}{r} 1776 \\ - 1000 - M \\ \hline 776 \end{array}$$

776

700 - DCC

$$\begin{array}{r} 776 - LXX \\ \hline 76 - VI \end{array}$$

\Rightarrow

MDCCLXXVI

$$104 = CIV$$

Perfect No.

⑥

$$6 \% 1 = 0$$

$$1 + 2 + 3 = \textcircled{6}$$

$$6 \% 2 = 0$$

②⑧

$$28 \% 1$$

$$6 \% 3 = 0$$

$$28 \% 2$$

$$6 \% 4 = \cancel{2}$$

⋮

$$6 \% 5 = 1$$

⋮

$$\Rightarrow 28 \% 28$$

$$\Rightarrow 6 \% 6 = 0$$