

Jojo's Equation

Jojo is learning about recursive. To train himself, he created a new series where $T_N = 2N + T_{N-1} + T_{N-2}$. He was so proud of himself until he found that he is incapable of calculating T_N given N using his own equation. Help Jojo given $T_0 = 0$ and $T_1 = 1$!

Format Input

The only line of input contains N.

Format Output

The output of this problem will be T_N .

Constraints

• $1 \le N \le 40$

Sample Input (standard input)

10

Sample Output (standard output)

673

[©] School of Computer Science - BINUS, 2020. No part of the materials available may be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable form, in whole or in part, without prior written consent of School of Computer Science - BINUS. Any other reproduction in any form without the permission of School of Computer Science - BINUS is probihited. For those who violated this disclaimer, academic sanctioned can be enforced.



Jojo's Equation

Jojo sedang mempelajari materi rekursif. Sebagai latihan, dia menciptakan sebuah rumus $T_N = 2N + T_{N-1} + T_{N-2}$. Ia sangatlah bangga dengan dirinya sendiri hingga ia menemukan bahwa ia tidak bisa menghitung T_N dari N menggunakan rumus yang ia buat. Bantulan Jojo jika diketahui $T_0 = 0$ dan $T_1 = 1$!

Format Input

Baris input mengandung N.

Format Output

Keluarkan T_N .

Constraints

• $1 \le N \le 40$

Sample Input (standard input)

10

Sample Output (standard output)

673

[©] School of Computer Science - BINUS, 2020. No part of the materials available may be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable form, in whole or in part, without prior written consent of School of Computer Science - BINUS. Any other reproduction in any form without the permission of School of Computer Science - BINUS is probihited. For those who violated this disclaimer, academic sanctioned can be enforced.