

257 (Fibolucci) Let  $a$  and  $b$  be integers. Then the Fibolucci numbers for  $a$  and  $b$  are

$$f_l c 0 = 0$$

$$f_l c 1 = 1$$

$$f_l c (n+2) = a \times f_l c n + b \times f_l c (n+1)$$

(The Fibonacci numbers are Fibolucci numbers for 1 and 1.) Given natural  $k$ , without using any list variables, write a program to compute

$$\sum_{n: 0, \dots, k} f_l c n \times f_l c (k-n)$$

no solution given