$$T(m) = \begin{cases} \frac{1}{2}, m = 1 \\ T(m | Q) + m, m > 1 \end{cases}$$

Natam n = 2k => k = log n

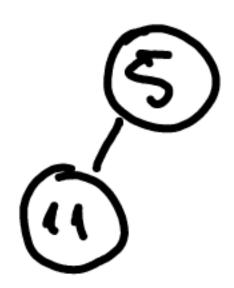
:

$$\frac{1}{(2n)} = 2n + 2n - 1 + 2n - 2 + ... + 1 = 1 \cdot \frac{2^{n} + 1}{2^{n} - 1} = 2n + 2n + 1 = 1 \cdot \frac{2^{n} + 1}{2^{n} - 1} = 2n + 1 = 1 \cdot \frac{2^{n} + 1}{2^{n} - 1} = 2n + 1 = 1 \cdot \frac{2^{n} + 1}{2^{n} - 1} = 2n + 1 = 1 \cdot \frac{2^{n} + 1}{2^{n} - 1} = 2n + 1 = 1 \cdot \frac{2^{n} + 1}{2^{n} - 1} = 2n + 1 = 1 \cdot \frac{2^{n} + 1}{2^{n} - 1} = 2n + 1 = 1 \cdot \frac{2^{n} + 1}{2^{n} - 1} = 2n + 1 = 1 \cdot \frac{2^{n} + 1}{2^{n} - 1} = 2n + 1 = 1 \cdot \frac{2^{n} + 1}{2^{n} - 1} = 2n + 1 = 1 \cdot \frac{2^{n} + 1}{2^{n} - 1} = 2n + 1 = 1 \cdot \frac{2^{n} + 1}{2^{n} - 1} = 2n + 1 \cdot \frac{2^{n} + 1}{2^{n}$$

B.

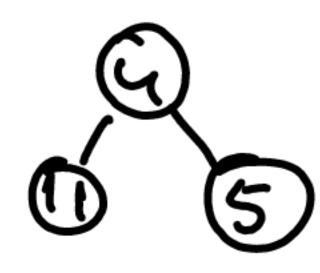
(5)

se adauga 5 5 e 11 zo ima Cfore

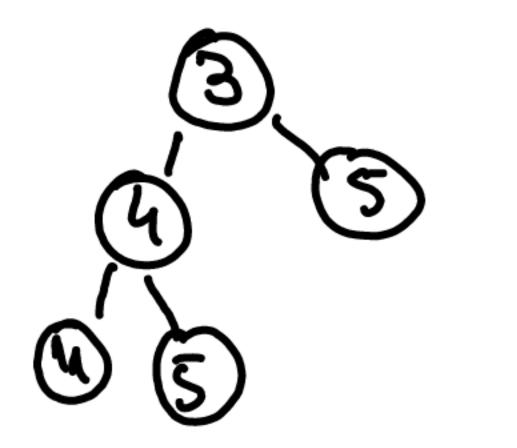


3)

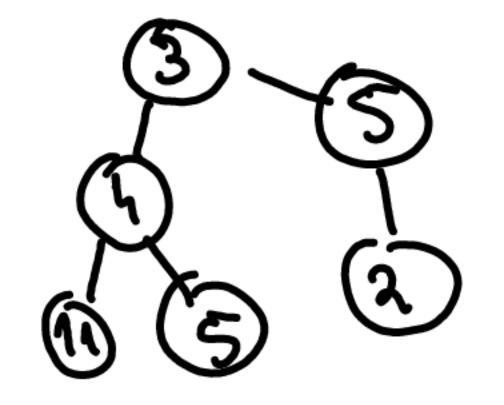
se adaugar 1, 4 c 5 es maretara



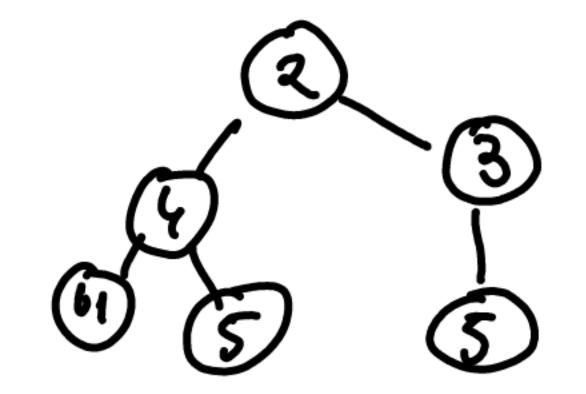
(h) (5) Se adougà 3
3 < 11 => maretura
3 < 14 => maretura

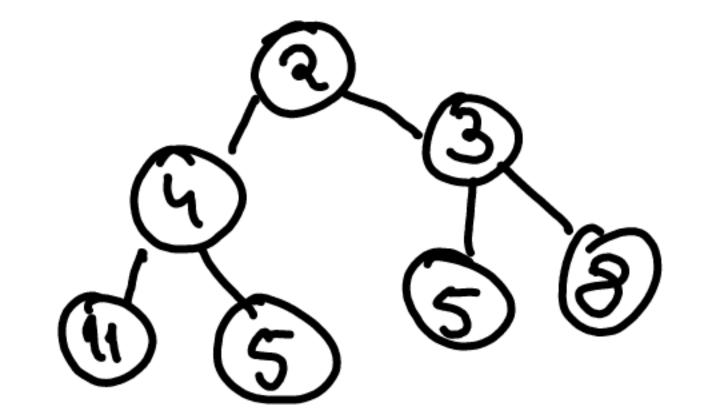


se adauga 5

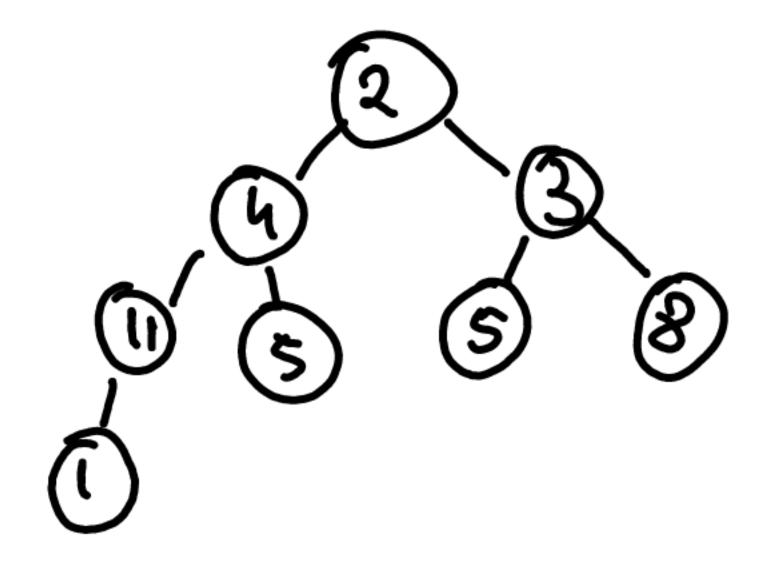


Se adaugai 2 2 c 5 => mailfore 3 c 3 => mailfore





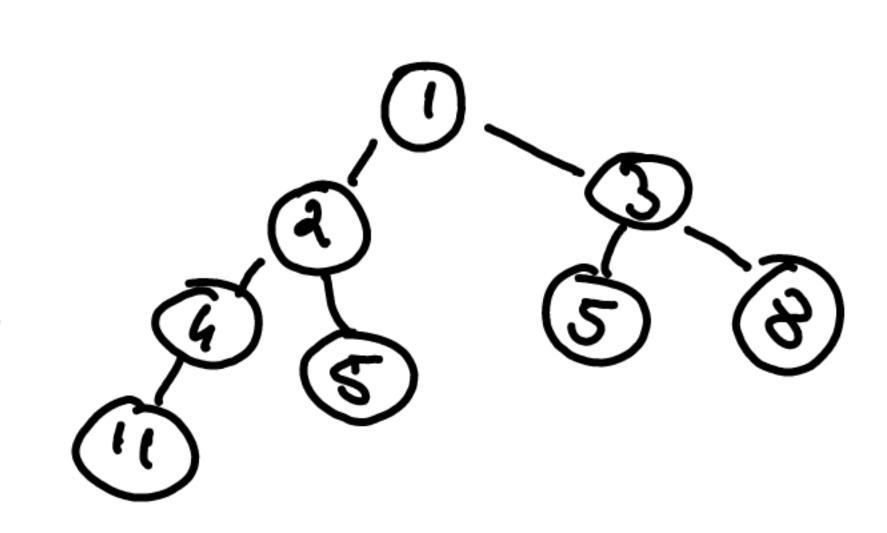
se adauga 8



se adauga I

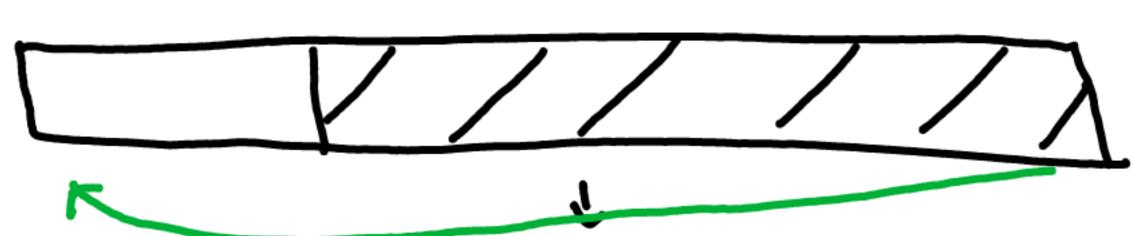
(211 => imathare

(22 => imathare



C1. a) data [1]

Exempler de coada airculara:



finalul este élémentelle din coada

ulegat' de inceput

C2 - C)

D.

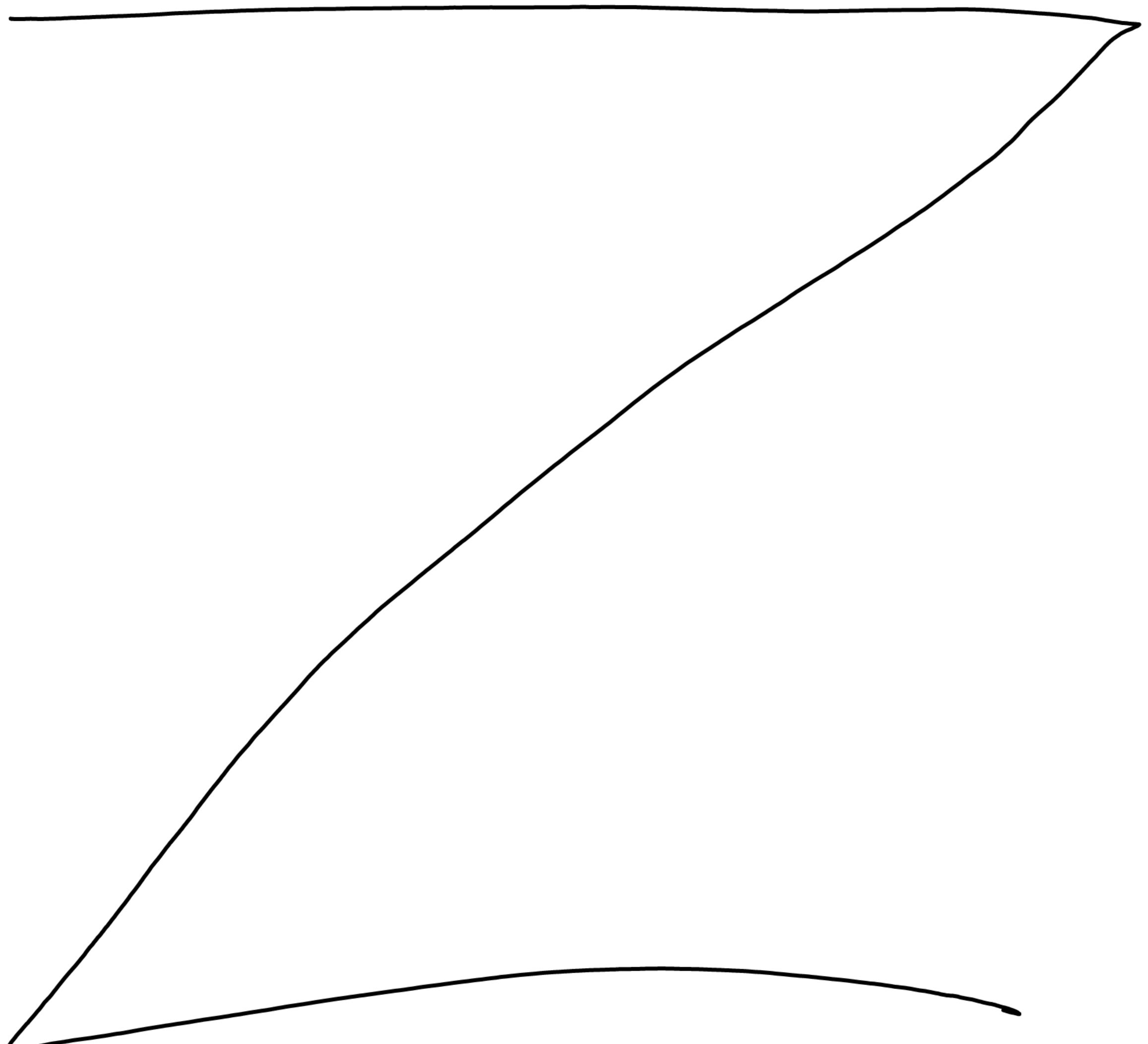
Arcare

e: TEeomentij

n: Intreg (dimensiwne vert. de elemente)

se Rakaseste NULL - TElement

-> womestaarea pagina



```
Sulidiqueitm afrisenta (a.e.h) este
     1 Pre: a e Arcare
            ce l'écoment, 6 + norr-le coment
            ReIntrea
       Post: se alizeazar descendenti de cozdin la ai elem. e,
            daca acesta se gaiseste in artione
           @ exceptie gorce é, un orçone
     gaisit 1-0
    Amtra i= 1, a.m executa
        3 caïntain 66em. « en orgase ?
        paca a · e s is = e atmucr.
           3 se 964. invapice66 be com our tregenn. 201, il ongé
           brimas gescaugent de arain &3
           start i - i * 2 k
           fontour plus c-0, 2R-1 executa
                paca stant + borns > a · w aformer.
                    9078
                    1 mu partonn accessa elem cu implice pp alat
                    de adumara pt. car vect. mu mour are elam.3
                Spaca
                Daca a. e [stoot + peus 3 + wull-TEROMONT atemei
                     tipareste a.e [stort+plus]
                Sf Daca
           SR Pontou
        se Daca sit c-1
```

SR Pontru

1 verillique finala ?

poor dazif =0 otmuni

Domenica exceptie "nu s-a gazsit elemental"

of Sulalycone 7m

## Cambbexitate:

- ge 4, (w)
- de spatiu aditional: A(1)

ange u sobsossimpa grimpasimes organesme