## nphir (i=1)

if i zio:
return i

20 1+1/nphor(2)

nphn(2) 2 1+ 2/nphn(3)

nghr (3) 2> 1+3/n/hr (4)

nphir(4) 2-> 1+4/nphr(5)

nphor (5) -> 1+ 5/nphr (6)

nghr (6) 20 1+6/aphr(+) 1+ 6/1+ 1/4 9

nphir (8) 27 1+8/aphr (9) 1+ 1+9

nghir (9) 2 > 1+ 9/mphor(10) 1+ 10

nph~ (10) 2 > 10

$$f_{1} = 1$$
 $f_{2} = 1$ 
 $f_{3} = 1$ 
 $f_{3} = 2$ 
 $f_{4} = 3$ 
 $f_{4} = 3$ 
 $f_{5} = 5$ 
 $f_{5} = 5$ 
 $f_{6} = 8 = f_{5} + f_{4}$ 
 $f_{7} = 13 = f_{6} + f_{5}$ 

Compleyidad Computacional

El análisis del trempo y el espacro que ocupa un algoritmo.

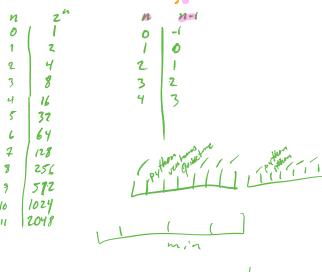
1. Localizar el menor valor de una lista de n valores.

- lores.

  I dea: Usar "="

  [a, a, a, az, az, ...]

  ao  $\leq a_1$ ?  $\stackrel{\text{Si}}{=}$  ao  $\leq a_2$ ?  $\stackrel{\text{Si}}{=}$  ao  $\leq a_3$ ?  $\stackrel{\text{Si}}{=}$   $\stackrel{\text{Si}}{=}$





Tarens pendrentes

ensayo de buzos trascendentes (terativo a recorsivo)





b = (radio, x + 90°) = c= (radio, x + 186°) d = (vadio, x + 270°) =