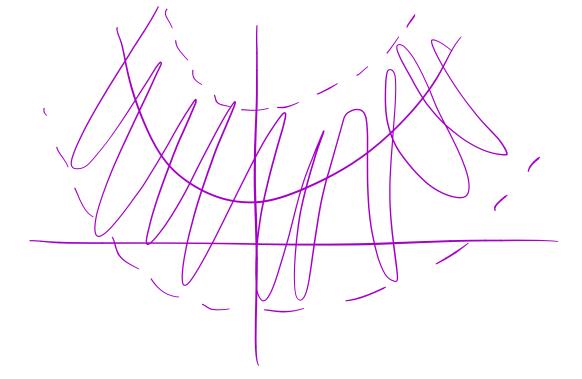
Taren: Termour programa presa-teprelador arrazado

por lo menos la parte de que huyen o se sontan les

presas.

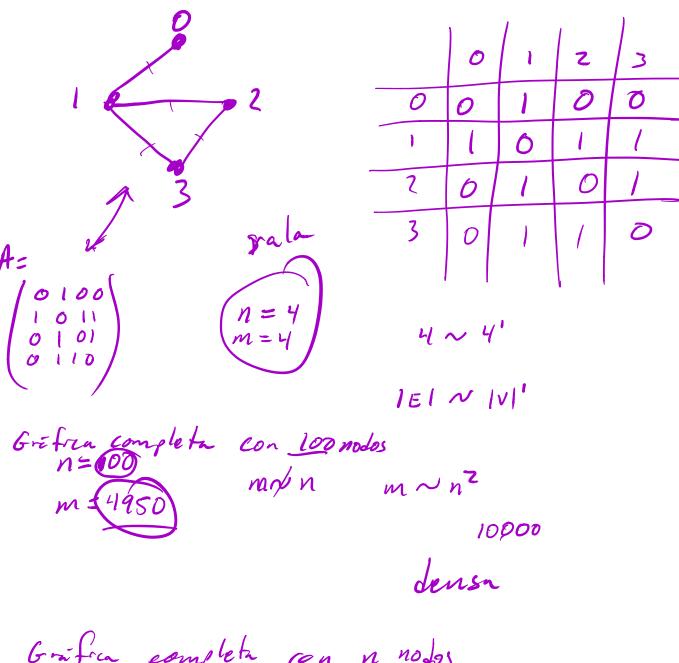
¿ coûl es el # maxmes de anstes que prede tener una gréfrea no-drogoda con n nodos?

| una gréfrea | no-drygido | con n | nodos? | |
|--|------------|---------------|--------|--|
| G(V,E) | grafica | # max arrstos | | |
| V= {0} | | O | - | |
| V= {0,1} E= {(0,1)} | • | (| | |
| | | 3 | | |
| 0) | 2 | 6 | | |
| 30 12 31 13 32 | 3 | 10 | | |
| $\frac{n(n-1)}{2} \qquad \frac{5\cdot 4}{2} = 10 \qquad 13$ | | | | |
| $\frac{n(n-1)}{2} = \begin{bmatrix} n^2 - n \\ \frac{1}{2} - \frac{1}{2} \end{bmatrix} \sim \begin{bmatrix} n^2 \\ n^2 \end{bmatrix} \log n$ | | | | |



|V|=n # de nodos |E|=m # de aristas

 $m \sim n^2$ $\sim densa$

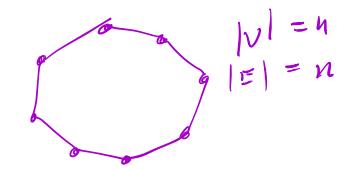


Grifa completa con nodes

 $m \sim n^2$ $m = \frac{n^2 - n}{2} \sim n^2$

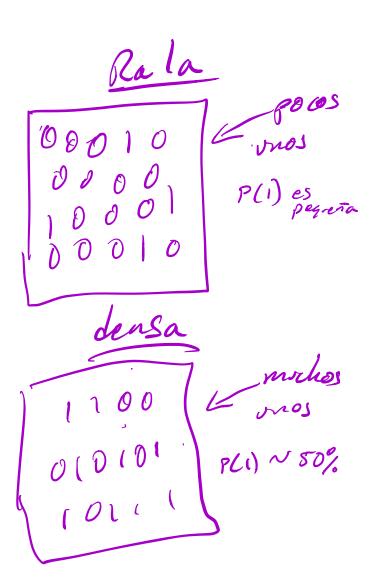
Jersa

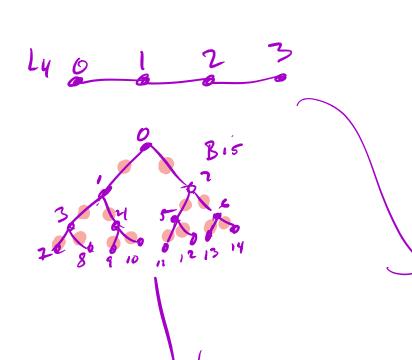
bréfren cicliea con unodes



rela vol

rala
Plo) es
perrir
complet.

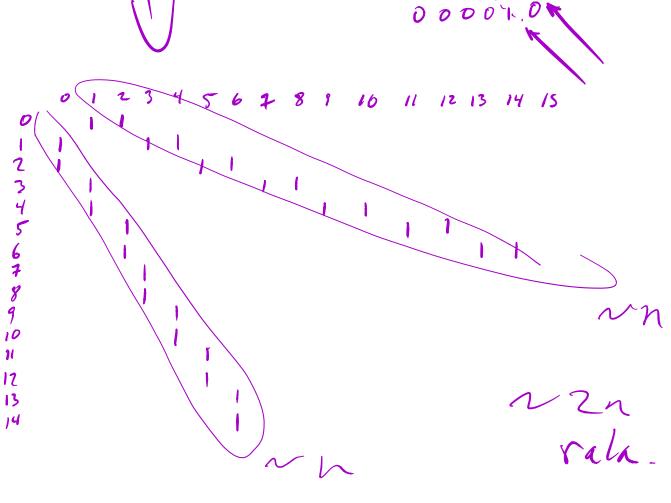




| | Ø | ı | | .2 | | 3 |
|---|---|---|---|-----|----|---|
| 0 | 0 | 1 | | D | 2 | |
| 1 | 1 | 0 | L | 1 | C |) |
| 7 | 0 | | | 2 | _/ | |
| 3 | O | 0 | | 1 (| O | |

| 0 | 10 | O | 0 | 0 |
|----|-----|------|----|---|
| 7. | 07 | 0 | 0 | 0 |
| 0 | 10 | っと | 0 | 0 |
| 0 | 0 | 10 | ÌĘ | 0 |
| 0 | 0 1 | Ir'c | 0 | 4 |

2n NN gala



Listas de adjacencia

(para gráficas ralas)

| | 0 | B15 |
|---------|-------|----------|
| 3 | ч 5 | 7 |
| 20 80 9 | 10 11 | 12 13 14 |

| 0:1,2 | 7:3 |
|-------------|-------|
| 1:0,3,4 | 8:3 |
| 2:0,5,6 | 1:4 |
| 3:1,7,8 | 10: 4 |
| 4:1,9,10 | 11:5 |
| 5: 2, 11,12 | 12:5 |
| 6: 2,13,14 | 13:6 |
| | 14:6 |

