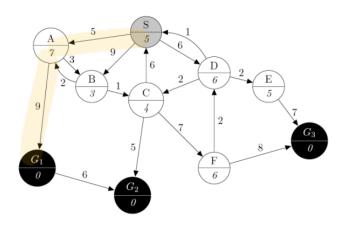
### 1. BUSQUEDA EN ANCHURA



· Orden entran cercodos:

· Objetivo acautado: 61

· Soluciai: S - A - G1

ABITRTOS

(STØ)

(A,S)

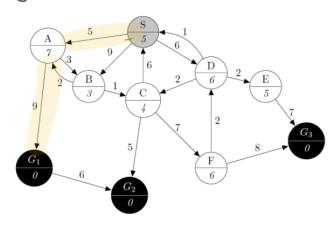
(B,S)

(D,S)

(G1,A)

(2, Ø) (2, A)

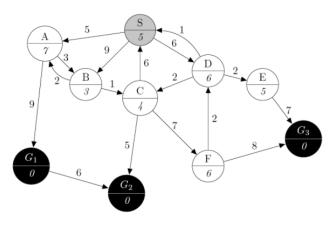
## 2. DESCENSO ITERATIVO

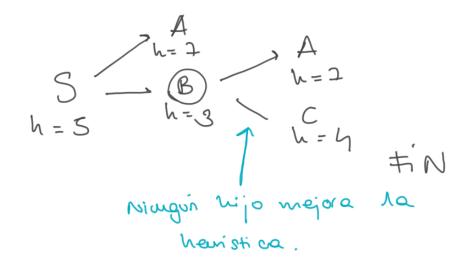


NIVEL 2: 
$$S \longrightarrow A \longrightarrow B$$

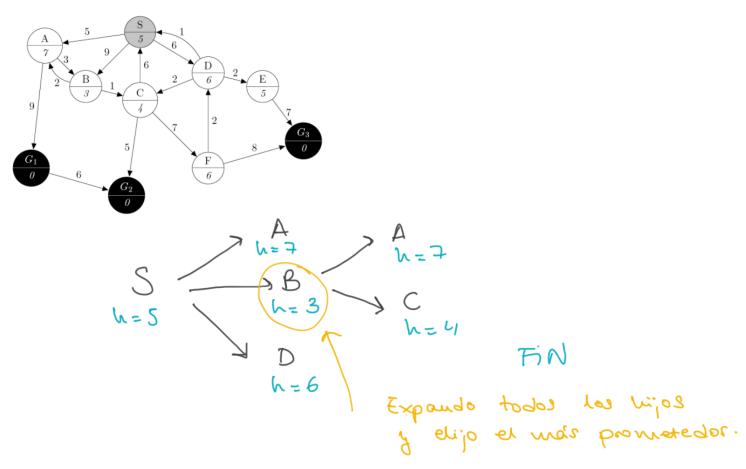
$$\longrightarrow \boxed{G_1}$$

# 3. ESCALADA SIMPLE





## 4. ESCALADA MÁXIMA PENDIENTE



#### (inciso)

EDERCICIO 22: ENFRIAMIENTO SIMULADO.

b) 
$$A \longrightarrow B$$
 $h=3$ 

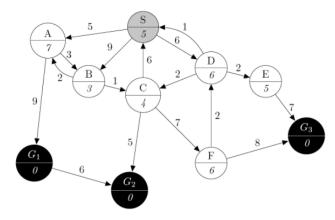
$$-\Delta e/T \qquad -2/16$$

$$P(S \rightarrow A) = e \qquad = e \qquad \simeq 0.82$$

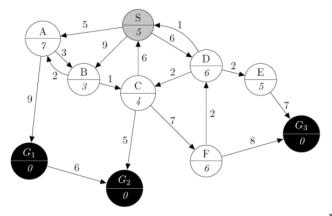
$$P(A \rightarrow B) = 1$$

Se meisse en her

Se mejora en heuristica



d'Admisible? h(x) < h\*(x) d'Monótona? h(x)-h(y) < C(x,y)



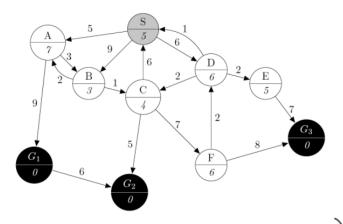
d'Admisible? h(x) = hx(x) d'Monótona?

h(x)-hy) < c(x,y)

NO A y B

h(A) - h(B) < C(A,B)

7-3-4 4 3



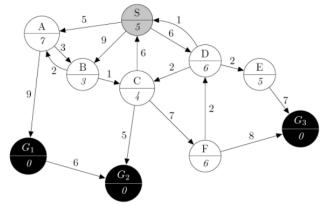
ABIERTOS (S, Ø, O, 5)

d'Admisible? h(x) = hx(x) d'Monótona? h(x)-hy) < c(x,y)

NO AYB

h(A)-h(B) & C(A,B)

7-3-4 4 3



ABIERTOS

(8,0,0,5)

(A,S,5,7)

(B,S,9,3)

(D,S,6,6)

CERRADOS (s, 0, 5)

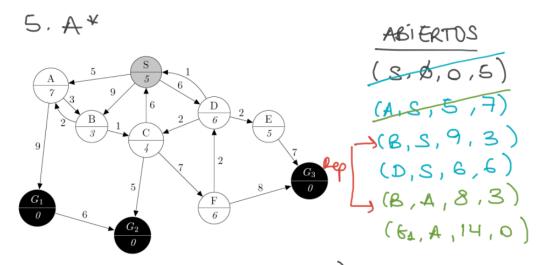
d'Admisible? h(x) = hk(x) al Monótona?

h(x)-hy) < c(x,y)

NO AYB

h(A)-h(B) & C(A,B)

7-3-4 43



d'Admisible?  $h(x) \in h^{k}(x)$ d'Monótona?  $h(x) - h(y) \leq C(x,y)$   $MO \land y \land B$   $h(A) - h(B) \leq C(A,B)$   $7-3-4 \leq 3$ 

5. A\* ABIERTOS (8,0,0,5) (A.S, 5, 7) , (B.A,8,3) (G1, A, 14,0) dAdmisible? h(x) = hx(x) (C,B,9,4) al Monótona? h(x)-hy) < c(x,y) NO AYB h(A)-h(B) & C(A,B) 7-3-4 43

5. A\* ABIERTOS (8,0,0,5) (G1, A, 14,0) d'Admisible? h(x) = hx(x) r(C,B,9,4) d'Monótona? (E, D, 8,5) h(x)-hy) < c(x,y) NO AYB h(A)-h(B) & C(A,B) 7-3-4 43

(S, Ø, O, 5) (S,D (D, S) (A, S, 5,7) (A,B, 10,7) (B,A, 8,3) (D, S, 6, 6)

5. A\* ABIERTOS (8,0,0,5) (G1, A, 14,0) d'Admisible? h(x) = hx(x) rep (C,D,8,4) (E, D, 8,5) h(x)-hy) < c(x,y) NO AYB h(A)-h(B) & C(A,B) 7-3-4 43

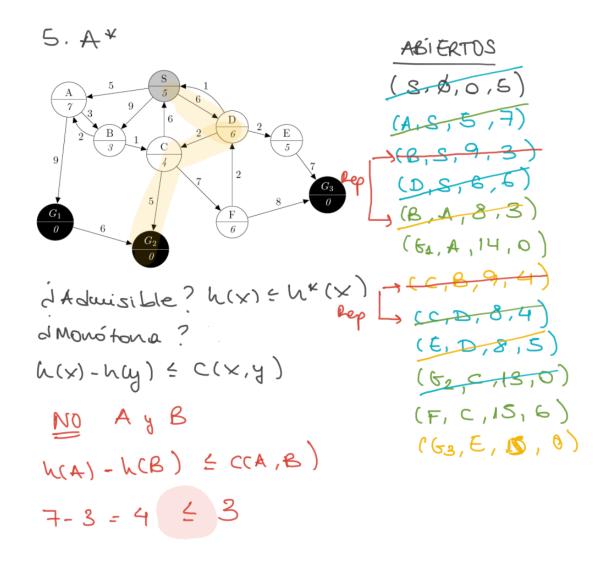
(S, Ø, 0,5) (S,D) (S) (A,S,5,7) (A,B,10,7) (B,A,8,3) (D,S,6,6)

5. A\* ABIERTOS (8,0,0,5) (A.S, 5, 7) (G1, A, 14,0) d'Admisible? h(x) = hx(x) , cc, b, Rep L, CC, B, 8,4 d Monótona? (E, D, 8,5) h(x)-hy) < c(x,y) (G2, C, 13,0) (F, C, 15, 6) NO AYB h(A)-h(B) & C(A,B) 7-3-4 43

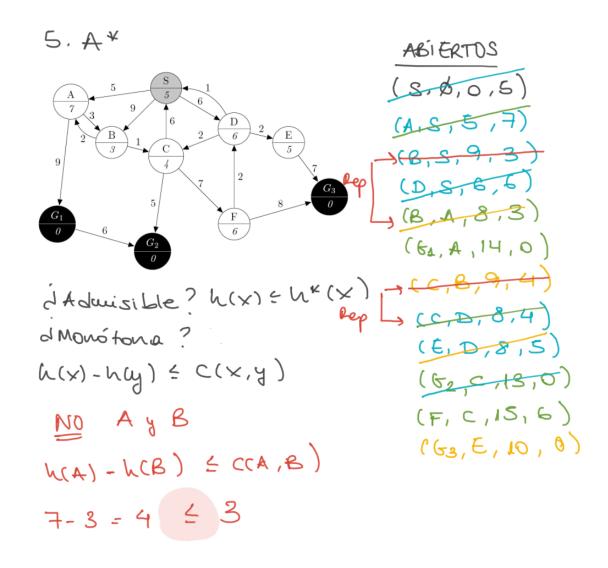
(S, Ø, O, 5) (S,D (D, S) (A, S, 5,7) (A,B, 10,7) (B, A, 8,3) (D, S, 6, 6) (C, D, 8,4)

5. A\* ABIERTOS (8,0,0,5) (A.S, 5, 7) (B.A.8.3) (G1, A, 14,0) d'Admisible? h(x) = hx(x) , cc, b, Rep L, CC, B, 8,4 d Monótona? (E, D, 8,5) h(x)-hy) < c(x,y) (G2, C, 13,0) (F, C, 15, 6) NO AYB (G3, E, 15, 0) h(A)-h(B) & C(A,B) 7-3-4 4 3

(S, Ø, O, 5) (S,D) (S) (A, S, 5,7) (A,B, 10,7) (B, A, 8,3) (D, S, 6, 6) (C, D, 8, 4) (E, D, 8, 5)



(S, Ø, O, 5) (S,D) (S,D) (S,D) (S,D) (A,S,5,7) (A,B,10,7) (B,A,8,3) (D,S,6,6) (C,D,8,4) (E,D,8,5) (62,C,13,0)



(S, Ø, O, 5) (S,D) (S,D)