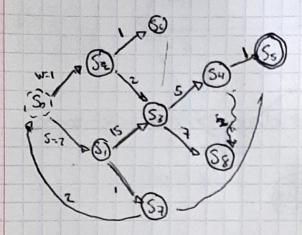
1- Considera la sig gratica



Utiliza BES por le solución y dibyrd and

. Int 1

F = (So) // Frentera R= (So) // Nodos alconzedos N= (-) // Nodos guardados

· Int 1

F(-)->SO N(So) R(So, Si, Si) F(Si, Si)(2,1)

· Int 2

F(S, Sz) -> Sz N(So, Sz) R(So, S, Sz, Se, Sz) F(S, Se, Sz) (2, 1, 3) · Int 3

F(S, S6, S3) -> S6 No(S0, Sz, S6) R(S0, S, Sz, S6.) F(S, S3) (2,3)

· Int 34

·f(S, S3) -> S1 ·N(S0, S2, S6, S3)) ·R(S0, S1, S2, S6, S3, S3 ·f(S3, S3) (3,3)

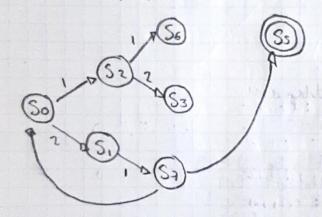
· Ints

F(S3,S3) - S9 N(S0,S2,S6,S1,S3) R(S0,S1,S2,S6,S2,S3,S5) F(S3,S5) (3,5) · Int 6

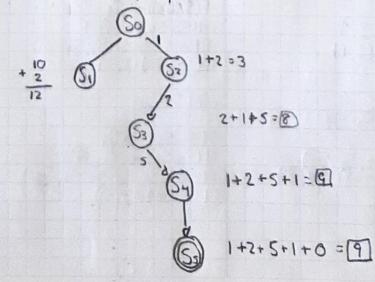
f(S3, S3) - S3 N(S6, S2, S6, S1, S2, S3, S3, S3, S4, SE) R(S6, S1, S2, S6, S3, S2, S5, S4, SE) F(S5, S4, S8) (5, 8, 10)

· ht a

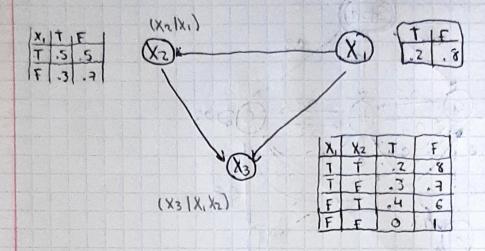
F(Ss, Sa, Sa) -Ss // Ss es firel, deceluemos los nodos alkonzodos. N(So, Sz, Se, S, Sa, Sa, Sa)



2 Del problema anterior y de la heuristica Aplica A* y da el crbal de basqbillo 2 5 1 0 0 8 30 1



3 Obsers to Red Buyes was a obtan les consultes



(a)
$$p(X_1=T, X_2=T, X_3=T) = p(X_1=T) \cdot p(X_2=T|X_1=T) \cdot p(X_3=T|X_1=T, X_2=T)$$

= (0.2)(0.5)(.2) = [0.02]

b)
$$p(X_3=T | X_1=T, X_2=T) \cdot p(X_2=T | X_1=T) \cdot p(X_1=T) + p(X_3=T | X_1=T, X_2=F) \cdot p(X_2=F | X_1=T) \cdot p(X_1=T) + p(X_3=T | X_1=F, X_2=F) \cdot p(X_2=F | X_1=F) \cdot p(X_1=F) + p(X_3=T | X_1=F, X_2=F) \cdot p(X_2=F | X_1=F) \cdot p(X_1=F)$$

$$= (0.2)(0.5)(0.2) + (0.3)(0.5)(0.2) + (0.4)(0.3)(0.8) + (0)(0.3)(0.8)$$

$$= [0.146]$$

De la giatica Obta el paceso acuito de Marion. (Start) 0.3 0.1 (9 0.5 0.8 0,6 0,2 x={110} = / T= x T= x)a10 HMM(S, E, A, B, TT) da(1) = P(1 a) . Ta = (0.4)(0.4) = 0.16 α6(1) = P(116) · Π6 = (0.7) (0.3)=0.21 5= {a, b c } ac(1)= P(11c) · Tc = (0.8)(0.3)=0.24 Z= {0,13 d 121-111 Q 0.1 6.7 6.6 6 0.5 0 0.2 6 0.4 0.3 0.2 B= 0 6 C 0 0.6 0.3 0.2 1 [6.4 07 0.8] π-[0.4 0.3 0.3]

Scribe