921. P-> 8 7PVQ

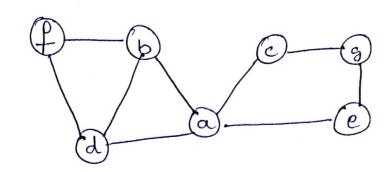
Truth table

D1	0.	- 0	70/18	P->Q
1	T	E	T	+
-	e E	F	C	F
F.	T	T	T	T
FI		T	T	T

from the autput we can see that

7 p. va 4 p. d one logically

equivalent



dFS

Open [a]: close []

open [b,c,d,e]: dee Las

open[f, c, d, e]: dore [ba]

open[c,d,e]: close[fba]

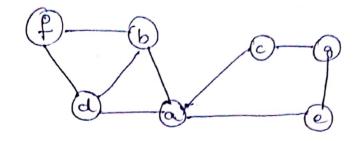
Open [g, d,e]: close [c,f,b,a]

open [d, e]: dore [g,c,f, b, a]

open CoseT: Use [d, g, c, f, b, a]

open[]: dore[e,d,g,c,f,b,a]

Q24 BFS



Open [a], close [i]

Open [b, c, d, e] elove [a]

Open [c, a,e,f] close [ba]

open (d, e, f, g) close [c, b, gi]

open [estig] close [d, c, b, a]

open [f,g] close [e,d,c,b,a]

Open (\$3) close [f,e,d,c,b,a]

open [] close [g, f, e, d, c, b, a]

heulishic value 1 too M O E 165 223 F 136 160 222 K32 6,122 L102 166 HII 0 192

f(n)2 G(n)+ h(n)

A staling with 2 0+223 A=223 A->C->L=243 A->C->FZJ28-

A->C>F->12=236 A-> C-> F-> J = 264

A-> L->ドラKラM=236 A-> c->-P-> K-> J= 300 A-DC-> L-> M= 243

A->B = 36+222 =258 UA>C=61+ 166=227 UA->C-1= 248 NA > C>F=228 47C-7R-3K2286 A-> C-> F-> J=264 17-7 C-7 R-7 K-7 M2 236 A-o C-oをつとって= 300 A-JEDLOM®=243L

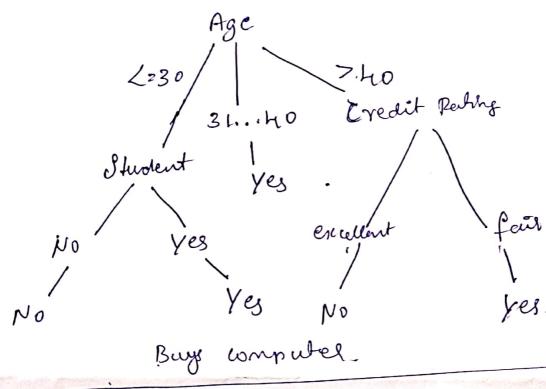
Solutor F 112 32 9 8.25 B

A Mil Kning Is A

The 3 Hourshot-line distance heuristic used about in known to be an admires ible heuristic. What does this mean & why is it important?

· Admi'nible heuristic doest not overestimates cost. Strangest-line distace in the Shokest path between the Statt & end State. Stelmileible heuristic in Optimal & St Prefers In Lowest 'Cost blew nodes.

Gain (age)=0.246
Gain (student)=0.151
Gain (credit raking)=0.048
Gaul (in come)=0.029.



high how

No Age Student Credit Rathy

Fair Fair Age

No Yes Yes the two Yes

No Yes fair checklent

Yes no

P= esup(-DEIT)

went & velal's

E -> durient Evaluation -485

7-> current Temperature.

10

CASPEC

Neighbouhood

Euch Templabu

2 erup (thas-474 309)

z esq (6/309)

R & escp (0.01941)