\ X(I	
9 0 1 2 3 F= G+h'	(ro = 0) = (h = /Xz - X, /+ /yz -);
	(7,0)+(0,0)+(3,3)
	$\frac{1}{2} + \frac{1}{2} + \frac{1}$
2 1 1 1 1	$\frac{1}{10} = \frac{1}{10} $
3 (()	
1-0 rt p 1 gp - [1, 0], (1, 1),	
Poulolena 1 Parte 1.	(05/00)
$R_{0} = (2, 2)$ Goal = (0,0)	W)F=1+10-01+10-21=3-0 R2
Path = [he]	5) F= 1+/0-1/+/0-5/=4
Ro = Goal? - DNO	Mejor: W
Di-recciones! (Valldas?	G2 = G, 1/= 2. Path = 1 Bo, R, R2)
(v) Ro + (-1,0) = (1,2) V	Rz = Goal ? DNO
E) Rot(1,0)=(3,2)	o the special state of the spe
N) R, +(0,-1) +(2,1) V	
8) $R_0 + (0, 1) + (2, 3) V$	$E)R_{2}+(10)F(1,2)APa+h.$ $N)R_{3}+(0,-1)F(1,2)V$
Costos W) F= () + 10-1/=3	
	S) R ₂ + (U, 1) = (D 3) V Co>hos
E) $F = 0 + 10 - 3 / + 10 - 21 = 5$ N) $F = 0 + 10 - 2 / + 10 - 21 = 3$	N) F = 2 + 10-11=3 -0 R3
5\F=0+10-2/4/0-3/=8	SF=2+10-31=5
Mejores: W. W.	
G=G01=1	
G=G0+1=1 -0Para W:R, (1,2)	Path = [Ro, R, R, R, R, R, R, Troal: 5No
Path = [Ro, R.]	(v) R3 + (-1,0) - (-1,1) × Prohibido
R = 6001 ? - 5 100	E) R3 + (10) = (1,1) N Proh. b. do
Directiones ¿Validas.	1) R-3 + (0,-1) - (0,0) V
(ω) $R_{1} + (-1,0) = (0,2)$	3) R3+(0,1) - (0,2) × Path.
E) R, +(1,0)=(2,2) × Path	(08/09
N) R, - (0, -1) = (1, 1) x Prohibido	N) ==3-0R4
5) R, +(0,1)=(1,3) V	Cy=4; Path TRo, R, Rz, Rz, Rz, Rz, Rz, Rz, Rz, Rz, Rz,
	Pry = Good? -05: -0 Fin.

-D Para N: R, (2,1)	Directiones
Hacer lo mismo	W) (hy + (-1,0) = (-1,2) * Prohibodo
17 comparas	E) R, +(1,0)=(1,2)/
2 trus y Gu Elegir	19) R2+(0,-1)=(0,1) xP2+h
3eli menor.	5 R2 + (0,1) = (0,3) /
Asigner Caragor	
Come pasitio	F) F= 2 1/3-1/4/3-2/=5
	s) F=2+/3-0/4/3-3/=5
Pooblemen 1 Parte 2	S) F=2+/3-0/4/3-3/=5 Mebres: E,5
ho=(0,0) Goa(=(3,3)	
DU TO ZIII	-D Para E: R3 (1,2)
Ro = Goal -0 No	Path of B B B B B
Direcciónes (Valido)	R3 = 600 al? 70 No
W) Rot (-1,0)=(-1,0) & Prohibilo	Directiones
E)Ro+(1,0)=(1,0)xProh.6.20	w) R2 + (-1,0) = (0,2) x Path
1)R + (0,-1)=(0,-1) x Prohibido	E 10 + 11 0 0 1 2 2 1 1
S) Ro + (0,1) = (0,1) V	N) R3 + (0,-1) - (1,1) x Prohibido
(0) (0)	5) R3+(0,1)=(1,3)/
S)F=0+/3-0/+/3-1/=5-0R	Costos,
Mejor: 5	[] F=3+13-2/+/3-2/=5
G = 1 Path = [Ro, R, J	5) P > 3 + /3 - 1/4/3 - 3/= 5
R. = Good ?-0190	Mejored's E, 5
D'acciones	G 1 = 4
(1) R, +(-1,0) - (-1,1) × 8 -0 h. b. Ja	-D Para E: Ry (2,2)
(=) (1,1) x (-0 h, b, do	Patholika, R. R. R. R.
N) R, 7(0,-1)=(0,0) x Math.	By = 600/2 -12/80
5) A, + (0, 1) = (0, z) V	Direccioner.
Coshos	W) Ry + (-1,0) = (1,2) × Path.
5) F= (+/3-0/+/3-2)=5	E) R, + (() = (3,2)
Mejor: 5	N) Ry + (0,-1) = (2, 1) x
Grandon Rolling	S) Ry + (0') > (2,3)
32 = God 7-60	

(9)3105		
E)=-41/3-3/1/3+2/=5		
2) = -4/3-2/4/3-3/-5		
Mejores: E,S.		
G5 = S		
Para E R 5 (3,2)		
Parh = [Ro, R, Rz, Rz, Rz, Rz, Rz, Rz, Rz, Rz, Rz,		
Rg = Goal ? 70 No		
Direce vones		
F D . ()		
19\D\19\D\19\D\19\D\19\D\19\D\19\D\19\D		
$\frac{10}{3} \frac{15}{3} \frac{1}{3} $		
5) 125 t(0, () (3, 3)		
Costes		
N) 5 4/3-1/-7		
5)5+/3-3/4/3-3/-37-012		
Meyor: 5 Co = 6 Path= [R, R, R		
1 = 6		
Palla R R R R R		
B = C 1 7 - C 7 -		
Contract of the contract of th		

$y \times 0$ 1 2 3 $F = G + h$ $G = 0$ $g = (h = /X_2 - X_1) + /Y_2 - Y_1$ 0 1 0 1 1 N (w) (Y 0) + N = (0,0) D (3,3)	
$\frac{1}{1} = \frac{1}{1} = \frac{1}$	
$\frac{2}{3}$ $\frac{1}{1}$ $\frac{1}{3}$ $\frac{1}$	
P-ohrbidos=[,(1,0),(1,1),(-1,9),(x,-1),(4,7),(x,4)]	-
Problemer 2 Parte 1 Costos	
R=(2,2) Goal=(0,2) W) F=1+/0-0/4/2-2/=1	
Path = [ho] S) F= 1 + 10-1/4/2-3/=3	
Ro = Goal? ONO	-
Virtecciones 1 (Valldas) (r-2 Path = LRs, (4, Rz)	+
W)Rot(-10) = (1,2) / R2 = God ? -05: -0 Fin. E)hot(1,0) = (3,2) / Problemen 2 Parte 2.	-
t)hot(1,0)=(3,2) Probleme 2 Parte 2. N)hot(0,-1)=(2,1) Ro=(0,2) Goal=(2,3)	
S Ro + (0, 1) = (2, 3)	
Control Ro - Con M: +0 No	
w) F=0+10-1/t/2-2/=1 D: ~ccciones	
E) F= Or/0-3/t/2-2/=3 W) Ro L (-1,0)=(-1,2) x Proh. 6.20	_
18) F=0+10-2/+/2-1/=3 E) Ro + (1,0)=(1,2) V	_
$5)F=0+10-2/4(2-3/-3)$ $N)R_0+(0,-1)=(0,1)$	\dashv
Mejor = W-DR, S)Rob(0,1)= (0,3)V G= 1 Path=[Ro, R] Coolos,	1
R = 6017 - 100 $E = 12 - 11 + 13 - 21 = 2 - 01$	
Direce is nes	
$(w) R_1 + (-1,0) = (0,2) \sqrt{3} = 3 = 2$	
E) Rit (1, 1)=(2,2) x Path Mejores: E, 5 G=(_
N) R, F (0,-1) = (1,1) × Poh. b. do -0 Para F: R, (1,2)	-
S) R, f(0,1)=(1,3)V Path=[Ro,R,]	_
The state of the s	-

D'acciones	
Directiones W) R, + (-1, 0)=(0,2) x Path	
E(2,2)	
13) R, +(0,-1)=(1,1) x Prohibido	
5) (R, +(0,1)=(1,3) V	
$\frac{2}{10000} = \frac{1}{10000000000000000000000000000000000$	
5 1 + - (+ 12 - 1/4/3 + 3/ = 2	
Mejores E, 5 G = 2	
Path Ero, R. R.	
Ry = Goal 3-0 No	
Para E: R 2 (2,2)	
Directiones	
$(w) h_2 + (-1,0) = (1,2) \times Path$	
E) R2+(1,0)+(3,2)V	
19 0 - + (2 -) - (- 1) 1	
5) R ₃ + (0, 1) + (2, 3) V	
Costos, 12 5 (1)	
E)F=2+/2-3/+/3-2/=4	
N) F=2+/2-2/4/3-1/=3	
5) F=2+/2-2/+/3-3/=2 to M3	
Mejor: 5.	
Path = [Ro, R, Rz, Rz]	
$R_3 = Coal? - O3 OFin.$	
	\neg
	-
	-
	-

$y = 0$ 1 2 3 $F = G + h$ $G_0 = 0$ $g = 1$ $h = 1 \times 2 + 1 \times 4 / 1 \times 2 - 1 \times $
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
2 1 1 1 1 1 5 1 1 1 1 5 1 1 1 1 1 1 1 1
Palaba = 101(11)(-101(44))(44)
1 40 M 10 10 10 10 10 10 10 10 10 10 10 10 10
Problema 3 Parte I
Ro=(2,2) (noal=(3,0) N) F=1+13-3/+10-1/52 Thz Path = [Ro] (5) F=1+/3-3/+10-3/54
Ro=Good? DNO
Direcciones évalidas. Path = [no l, Re]
$W)R_{o}+(-1,0)=(1,2)V$ $(1,0)=(3,2)V$ $(1,0)=(3,2)V$ $(1,0)=(3,2)V$ $(1,0)=(3,2)V$
$N \setminus R_0 + (0, -1) = (2, 1) \vee (0) \cdot (1, 0) = (2, 1) \vee (0) \cdot (1, 0) = (2, 1) \vee (0, -1)$
$5)R_{2}+(0,1)=(2,3)V$ $E)R_{2}+(1,0)=(4,1)\times Prohibib$ Cookes
$ w F=0+/3-1/+10+2/=4$ 3) $R_2^{-1}(0,1)=(3,2)$ × Path
E) $F=0+/3-3/+/0-2/=2$ (cosho) N) $F=0+/3-2/+/0-1/=2$ W $F=2+/3-2/+/0-1/=4$
N) $F=0+/3-2/+/0-1/=2$
Mejores: EN. G.=1 Mejor:N
-DPara E (32)=R. Path=[no, R, R2, R3] Path=[no, R,] R3 = Goal? - 55: -0 Fin
R = Goal ? 10/06
D: rec: one > (-1,0) = (2,7) × Path
(ω) ((+ (-1,0) = (2,7) × Path (1,0) = (4,2) × Proh. b.
N) R, +(0,-1) = (3,1) V
5) 12, + (0,1)= (3,3)

Problème 5 Parte 2	
Ro = (3,0) Goal=(1,3)	E) F=2 f/1-3/4/3-1/=6
Path = [Ro]	SF=2+/1-2/+/3-2/=40R3
Ro = Goal 3-0 No	Merion : 5 G = 3
D'acciones.	Path - [Ro. R. Ro. Ro]
$\omega)\Lambda_{0} + \{-1,0\} = (2,0)$	R2 = Goal? -> No
[] Ry + (1.0)= (4.0) > Proh. 6020	D'reccionco.
W) Rot (0,-1)=(3,-)xiProh.620	$w R_3 + (-1,0) = (1,2) $
$5)R_{0}+(0,1)=(3,1)$	\bar{E}) $R_3 + (1,0) = (3,2) \vee$
Costos, , ,	W) R3 + (0,-1)= (2,1) x Path
(w)F = 0+/1-2/+/3-0/=4	$5)$ R_3 + $(0,1)$ = $(2,3)$ $\sqrt{2}$
5) F=0+/1-3/+/3-1/=4	Costo 5,
Mejores: W, 5 G, =1	$(\omega)F=3+/1-1/1+/3-2/-4$
DPare (1) (2,0) DR	E) F=34/1-3/+/3-2/=6
Path [Ro, R.]	5) F=3+/1-2/+/3-3/=H
R, = (2001? -01)	
Directiones.	Meyores: W, 5 G = 4 DPara W(1,2)-DR4
w) R, t (-1,0) = (1,0) x Prohibido	Path = [Ro, Ri, Rz, Rz, Ry]
E) R + (1,0) = (3,0) x Pah	Ry = Good ? -0 NO
M) R, t (0,-1) = (2,-1) × Prohibibo	
$\frac{1}{2}$	W)R, + (-1,0) = (0,2)
$s)R_1+(0,1)=(2,1)V$	E) Ry + (1,0) = (2,2) × Path
(0 5 to 5) F=1+/1-2/+/3-1/=4-0Rz	N) Ry + (0, -1) = (1, 1) x Prohibido
Mejor: SG=Z. Path [Ro, R, Rz)	5) Ry + (0,1) = (1,3) V Cos 5 8 5
	w = 4 + 1 - 0 / 4 / 3 - 2 / = 6
- 	S = 4 + 1 - 1 + 13 - 3 / - 11 - 0
12) i reec vanes	a) to the total of a total
(1) 1/2 t (-1,0)=(1,1) x (cohilo.do	Mejoris 655
E) 1/2 + (1,0) = (3,1) /	Path [RoR, R, R, R, R,
10 1 4 -11 - (2, 0) x rath.	Rodución Simblin
8) 12 + (0,1) = (2,2)	