Opp, B, Mork New Rel (x) Micrue (X) more mene cuto (x) walchel (xxx) 1) New Rel (Upp) 2) New Rel (B) 3) Yx New Rel ( (x) => merce (x) 4) Yx New Pol (x) => (3 y move cubo Cg) 1 walked (3y,x)] 7 M V (2). V3 W6 9 5) Yx [MC(x) => (walled (x, Opp) => walled (x, B))] 6) a more atto (Mork) TR) 3xMV(x) xW(x,Op) a (7xM(x) ~ w (xop) 71 wolder (Mak B) 2 31 7 New Pal (X) v mowe (X) 4) . Vx 3 y (New Pul (x) => (man carbo Cyp , wholed (s/x)] - New Pol (x) v ( more actic (f(x), x)) 7 NewPol(X) v MC (f(X) (4 a)
7 NewPol(X/ V Walled (f(X), 4) (F) 5) M((x) => [(walled(x, up) =>Walle(cn, B)) 1 (W(x(B) => W(x, Upp))] [TMV(x)v TW(x, Op) v W(x,B)] (Sa) [7MV(x)V7W(x,B)VW(x,Op)] (D) 6+8) 6={×M3 {7W(M,0p)}@ 9+Sh) G= {x/m} {-QV-7MV(Mak), 7W(Mak,B)} (10) (C e 7) {nN/(Monk)} (3) 

die D= {-1,0,1} i=0,...,6 S= & do, dr, dz, dz, da, ds, ds) 1 = <-1,-1,-1,0,1,1,1> 6= <1,1,1,0,-1,-1,-1) 4) MOVE RIGHT (dx din) -PRE: 126, d: \* Lo, din =0 dies & di - FFFECT: el = # 6-0 2) MOVE LOFT (dx dx) -PRF: 270, d= >0, d=1=0 - EFFECT: dit 6 di\* 3) JUMP RIGHT (clix, don't) 2<5, d\*<0, d\* +0, d; =0 - PRE - EFFECT dit Edit 4) JUMPLEFT (d. d. d. d. d. ) -PRE: i71) dix so dix to, di== 0

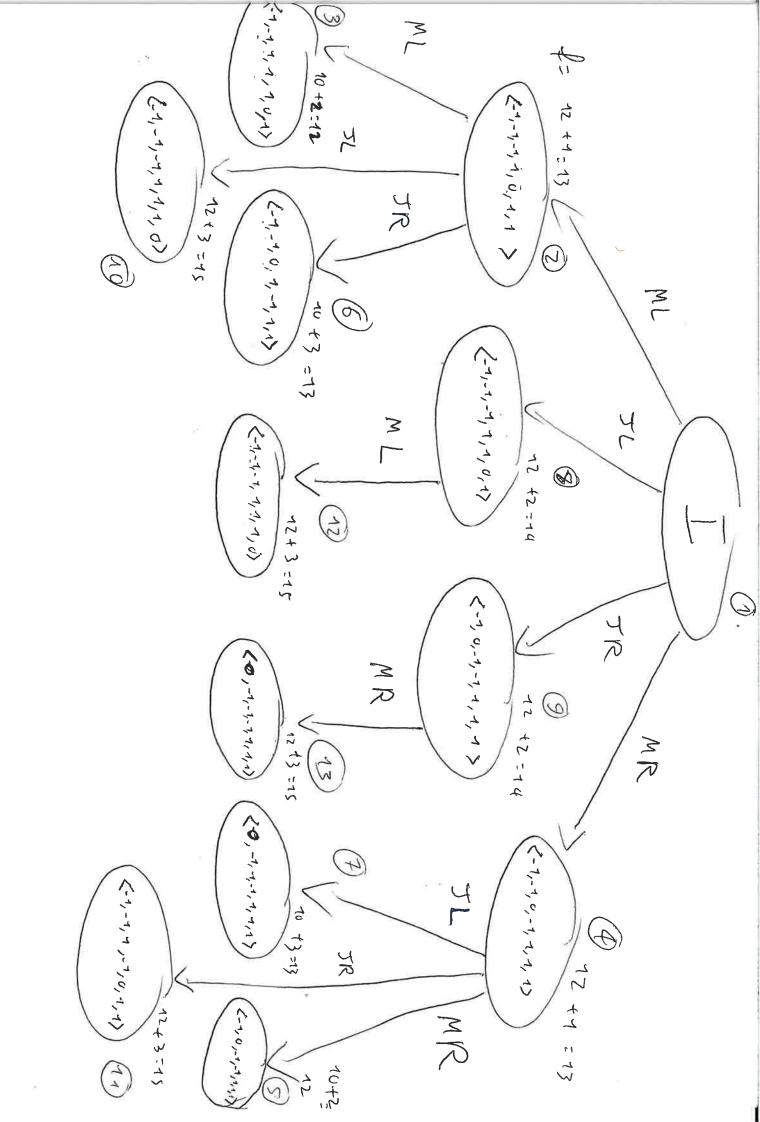
-PRE: i71) dix so dix =0, di=== 0

-GFFECT: dix = dix

dix = 0

 $\mathcal{L} = \left| d_0 - 1 \right| + \left| d_4 - 1 \right| + \left| d_4 - 1 \right| + \left| d_4 + 1 \right| + \left| d_5 + 1 \right| + \left| d$ 

L(G) = 0



$$f(X, g(Y, a), g(b, z)) \stackrel{?}{=} f(L(z), g(a, a), g(b, b))$$

$$f(X, g(Y, a), g(b, z)) \stackrel{?}{=} f(L(z), g(a, a), g(b, b))$$

$$f(X, g(Y, a)) \stackrel{?}{=} g(a, a) \stackrel{?}{=} g(a, a) \stackrel{?}{=} g(a, a) \stackrel{?}{=} g(a, a)$$

$$g(Y, a) \stackrel{?}{=} g(A, a)$$

 $p(l_1)$   $p(l_2)$   $p(l_3)$  MF  $\infty$   $\infty$   $\infty$   $\infty$   $\infty$   $\infty$   $\infty$   $\infty$   $\infty$   $\infty$ for that le P,  $fg \subseteq P$ rdo quelle dell'everciti  $|g| \le 1$   $fg \subseteq S$  (in which ribbe)  $fg \subseteq S$  (in g)  $fg \subseteq S$  (in g) Come i musiabando? 70 i p(ln) p(Lz) p(Lz) MF  $T_4^{7}(p(L_1)) = Next [p(L_1)]$ Nex2.  $(g) = \min \left( (ca) + (cd) \cdot (roya (g, a)) \right)$   $(ca) + (cd) \cdot (roya (g, a))$   $(ca) + (cd) \cdot (roya (g, a))$  (ca) + (cNext (p((1)) - mm (al (p((1))), min ((a) + Codo (regr(gra)))) (odo (p(L1)) = To (p(L1)) = 0 regulate (bladde) Voral

rage (pal) Ply (Lz/2) >>> P(Lz)

Ply (Lz/2) >>> P(Lz) (STRIPS) a is regresable over of it: · 1) adda ng # \$ fly (L1, L2) = p(L2) 2) dela ng = 1 fly (12, 13) => p((23) TM > ME >> p Ily (L1, L2) a = reye (p(L1),a)? (or (orlo (regr(p(ln), fly(l2, La)) pegr (p(ta), 0) fly(ta,tz) regr (g,a) = gladda Upre (a) Augr (ga) regr [p(11), fly(12/4)] = {p(11)} {p(11)}  $V \left\{ \rho(Lz) \right\} = \rho(Lz)$  $(od_o(p(l_z)) = \infty$  $Nex_{o}(p(lx)) = min [0, 1+0] = 0$ T, (p(L1) = 0

 $T_1^1(p(lz) = NeA_0(p(lz)) = min \left( (al) \left( p(lz) \right), min \left( (al) + (al) \left( negr(g, a) \right) \right)$ regr (P(Lz), a)? a o by (Lz, Lz) a 1) regr( $p(l_1)$ ,  $fl_2(l_1,l_2)$ ) =  $p(l_1)$ 2) ruy (p(iz), ely (13,12)) = /p(13)  $\min \left[ \left( 1 + \left( \text{ord}_{0} \left( p(L_{1}) \right), \left( 1 + \left( \text{ord}_{0} \left( p(L_{3}) \right) \right) \right) = \min \left( 1 + C, 1 + C \right) = 1 \right]$  $T_1$   $p(lz) = Nexl_o(p(lz)) = min(\omega, \Lambda) = 1$  $T_1^1(p(l_3)) = Nato(p(l_3)) = nim \left[ (al_0(p(l_3)), nim ((a) + (al_0(negr(p(l_3), a))) \right]$ nyr(ρ(ls), α)? -> α= fly(lz, Ls) ney (p(l3), fly (L2, L31) = p(L2) t, 1(p(1,1)= mm (w, (1+60))= 00

$$T_{1}^{1}(MF) - Nk_{1}^{1}(MF) = nm \left[ G_{0}^{1}(MF), nm \left( C(\alpha) + G_{0}^{1}(Mp, (MF\alpha)) \right) \right]$$

$$resp. (MF, TM) = p(lz) \rightarrow (ode \left( p(lz) = + 10 \right)$$

$$T_{1}^{1}(MF) = + 60$$

$$T_{2}^{1}(MF) = + 60$$

$$T_{3}^{1}(MF) = Nk_{1}^{1}(MF) = min \left[ G_{0}^{1}(p(kx)), min \left( C(\alpha) + G_{0}^{1}(mp(np(kx), m)) \right) \right]$$

$$T_{2}^{1}(p(kz)) = Nk_{1}^{1}(MF) = min \left[ G_{0}^{1}(p(kx)), min \left( C(\alpha) + G_{0}^{1}(mp(np(kx), m)) \right) \right]$$

$$T_{3}^{1}(p(kz)) = Nk_{1}^{1}(MF) = min \left[ G_{0}^{1}(p(kx)), min \left( C(\alpha) + G_{0}^{1}(mp(np(kx), m)) \right) \right]$$

$$T_{3}^{1}(p(kz)) = min \left[ G_{0}^{1}(p(kx), mx) = p(kx) \right]$$

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