	Tutorial 10
	Exercise 1
	(A,y=0) (X,y=0) (U,y=0) (U,y=0)
	(4,y=0) 1 / ~ u
	(X,420) 04/20 ~/20 -
	(U,y=0) 0x/xu 0x/xu ~/~u
	(U'y=0) 3x/xu 5x/xu 6x/xu ~/~u
	$(A_{1}y=0)^{-2}(A_{1}y=2)^{-2}$
	~u: R= {(A,y=d),(X,y=e)> (d≤1€)e≤2} U
0	{(B,y=d), (Y,y=e)} \ d≤1 € e ≤2} U
	{(c,y=d), (Z,y=e)> d,eeR>3
	is a time abstracted bisimulations.
	(2) Nu (and hence x) (A,y=0) = 3 (Â,y=3) -> but
	(u, y=0) d (u, y=d) a for all d.
	(a) Similar:
1-1-1-	

(and hence vu) R= { ((u,y=d), (u'y=d) > \ L + R_3 } V {((V, y=a), (W, y=a)> | a>23 U { (M, y=d), (M, y=d) | a e R= } U {(W, y=d) (W, y=d) > \ d \in 120 } is a fined fishmelation 3) Follows from 6 and 8 3) Follows from @ and @

We number The regions given the automaton considered has 2 docks both with 1 being maximum constant as in example 11 in The book (page 212) The following gives the reachable point of the region graph (we omit transitive & " teflerpine closure of =>): $(10,0) \stackrel{\varepsilon}{\Longrightarrow} (10,0) \stackrel{\varepsilon}{\Longrightarrow} (10,0) \stackrel{\varepsilon}{\Longrightarrow} (10,0) \stackrel{\varepsilon}{\Longrightarrow} (10,0)$ $(\ell_0, 2)$ $(\ell_0, 5) \Rightarrow (\ell_0, 14) \Rightarrow (\ell_0, 8) \Rightarrow (\ell_0, 16) \Rightarrow (\ell_0, 11)$ (lo, x=0,2, y=0.61) is Not reachable as (0.2,061) is in region 15 which is NOT (6, x=0.7, y=0.61) 15 racheble reachable as (02,061) & Region 14.