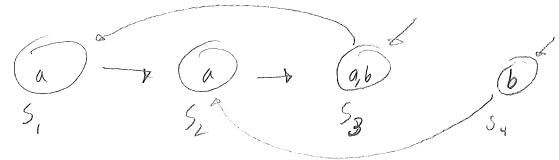
Joseph Blodgett CS 486 HW 7





2)
Any door will not open unless the clouder is pressy
$$-P = Edoor Open, elevator present 3$$

$$-L+L = [] (door Open A 7 elevator present)$$

Number of items in a buffer may not exceed N

- Saftey

- C+L\* = []A-N+1

P= \(\frac{\xi}{2}\), \(\frac{\xi}

" If a process reaches a location li Just between a critical Section, it should not be blocked forever

-Liveness

· Clients may not retain asources forevir

-Livenss

· it is always (budy before it voins

4) Transition !ptop will happen at most once ([]+iP)U([]P)V[]-P

5) Infinately many transitions from !p top.

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6) ((r-ruy) 1(g + yllg) 1(g + glur)) !(r1!vly) 1 !(y1!yllg) 1(g 1!glur) assuming ray agar not

7) 9 + 7 pUr + !(qu-(-1pUr))

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