Topus is Commeny Ch. 2. 2004 GW

8) the assume a lobelled trainition system. A formula of he model or calculus denote a subset of Acts (hore of which it is hie)

[T] = Sall Acts [F7 = ¢ [U] = U where USS.

[ANB] = CAD U (13)

( 7A ) = S. CAJ

C <>> A D = (Ases | 35'. 5 = 5 5' & 5' & 5' & (TAD)

[ m X. A] is he least set abset UB S 5 of [A[4/x]] = U

(b) (i) vZ. (c) Z. all states able to is satisfied by an oste chaning c's (11) équivalece la fabe.

(ii) Able to do a maximal claim of c's along which A always holds

(iv) A until B along a path of c's.
of which B hards eventually.

(v) A until B along a path of c's

(R does not need to had areatrally).

(e) P = 2

(i) No. Consider the approximants

F,

[c)F v (<c>T x <c>F) = F

us [c)F = F in the transition by Hen

and <c>F = F. always. Hence all

the approximants are F and the fullo is

alway like in this transition by them.

(ii) Yr. Counder the approximants.

[c] F v ((c) T n (c) T) = (c) T = T

an (c) F = F an (c) T is the transition

system. Hence the another is always the in the

harsher ask.