Topis in Courney Ou !

(1) Suppose stots so, set satisfy the same model 2 m-calculus asserbors.

Define

R = ? (s, t) | s, t satisfy same assertions}

a relation between tets of the (finite) have sys.

We show R is a tax strong bismillation, which

vill then make 5, to Insimilar.

Suppose Remise. Then, eiter

ii) s and Yt' t it & *(s',t') & R

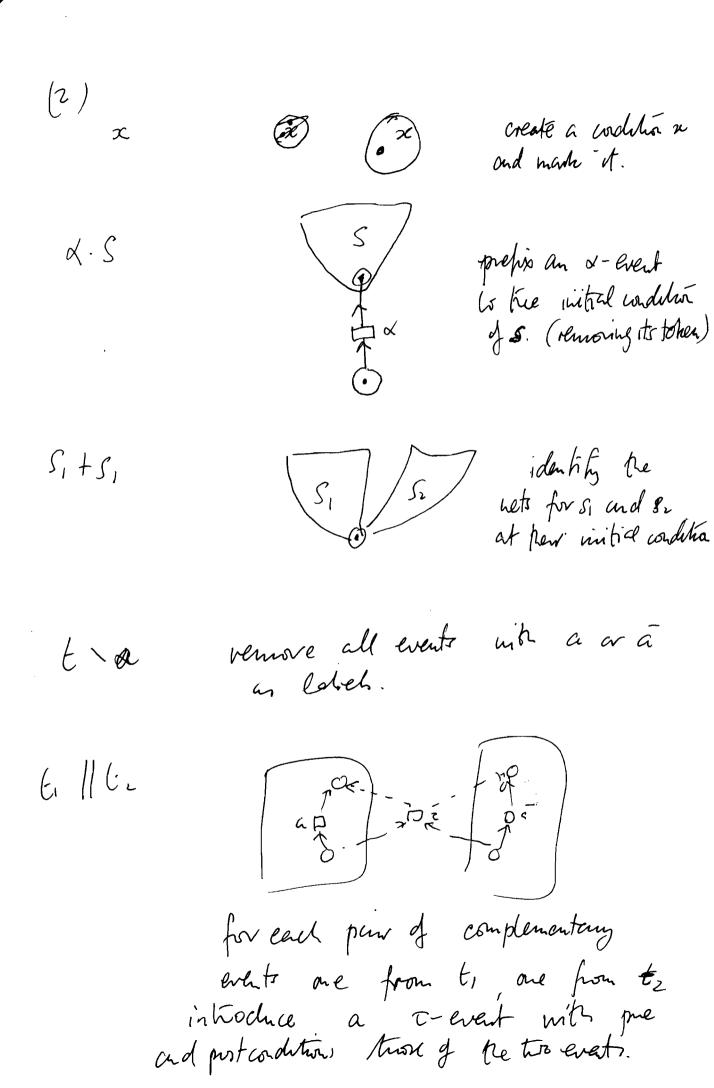
ii, t ast ad 45! 5 = 5 5 8 (5', t') & R.

W.los. assume is. Then, for all t's.t.

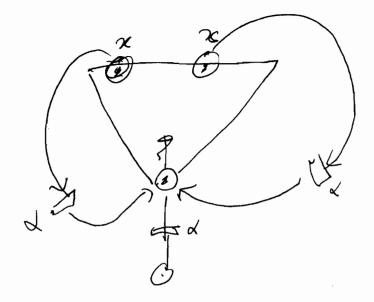
time to there is an assertion At s.t.

 $S \models A_{t'}$ and $t' \not\models A_{t'}$. (If we hist obtain $B_{t'}$ s.t. $S \not\models B_{t'}$ and $t' \not\models B_{t'}$, we take $A_{t'} = 7B_{t'}$).

Now st <a> \land At and t \notin <a> \land At \l



recx. Xs



The web are 'banic nets' unt labels merents.

Men M

MNE/=MARME

'e ⊆ M & e'n(M-e) = \$

& M'- (M·e)ve