

Topics in Concurrency 6

(1) Bodinworth

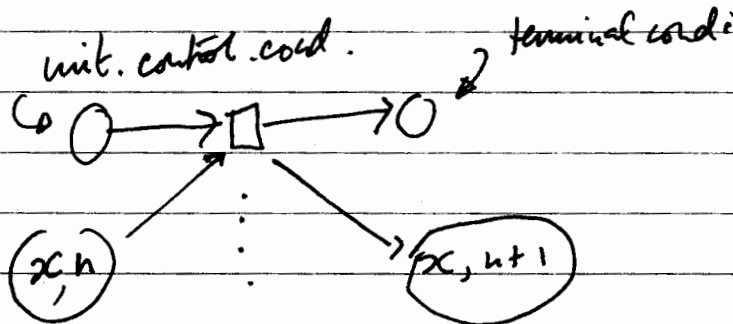
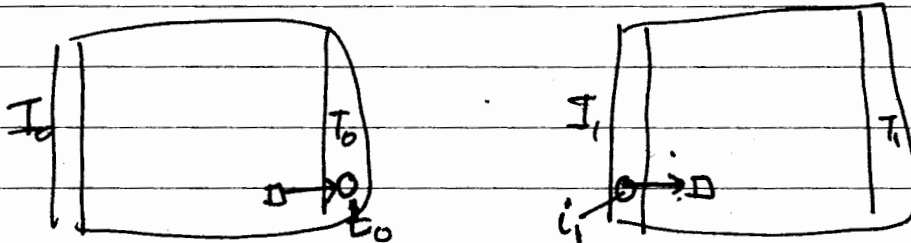
Topics in Concurrency notes

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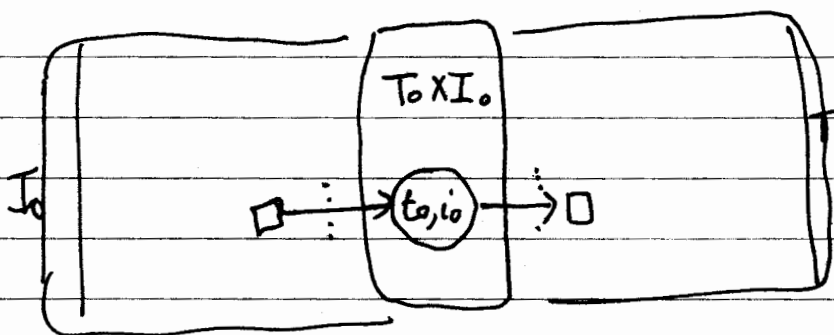
(Notes available from [www.cl.cam.ac.uk/~vgw104/](http://www.cl.cam.ac.uk/~vgw104/))

(2)

(a)

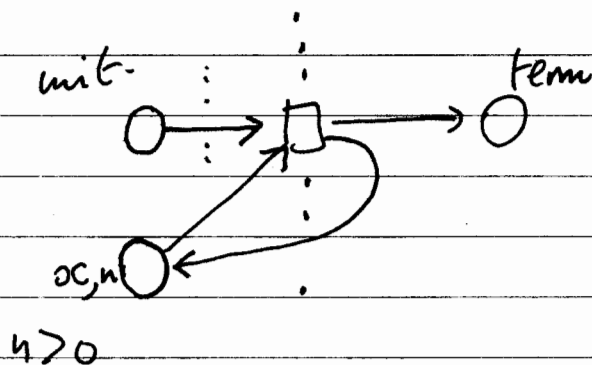
one event for each integer  $n$ .(b) Suppose  $c_0$  and  $c_1$  denote the nets

with initial and terminal conditions shown.

 $c_0; c_1$  denotes

(c) ~~For  $n > 0$~~  Take the net for  $c_0 \parallel c_1$   
 to be the juxtaposition of the nets  
 for  $c_0$  and  $c_1$ , made disjoint at  
 control conditions.

(d) Introduce  $\&$  test events

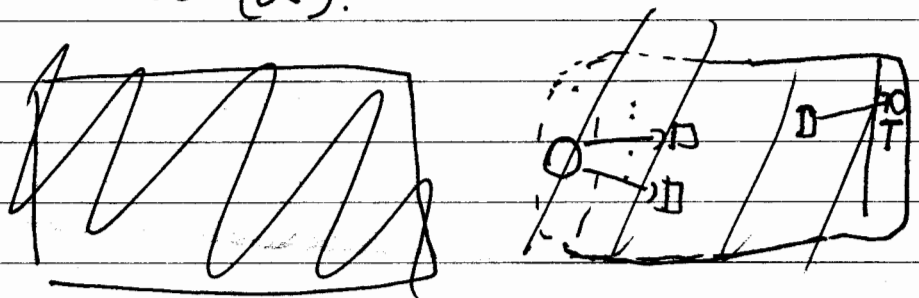


sharing a common initial control condition and  
 terminal condition for each  $n > 0$ .

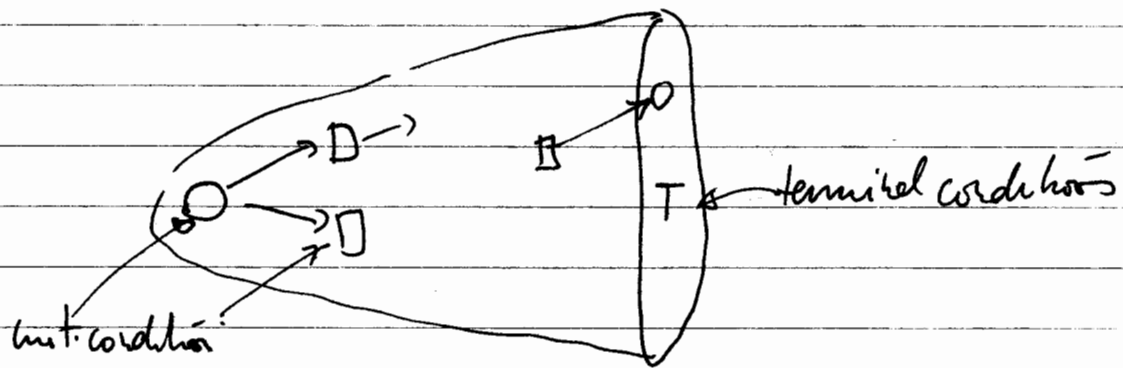
Call this net ~~test~~<sup>test;</sup> from the net

$test; c$  as in (c).

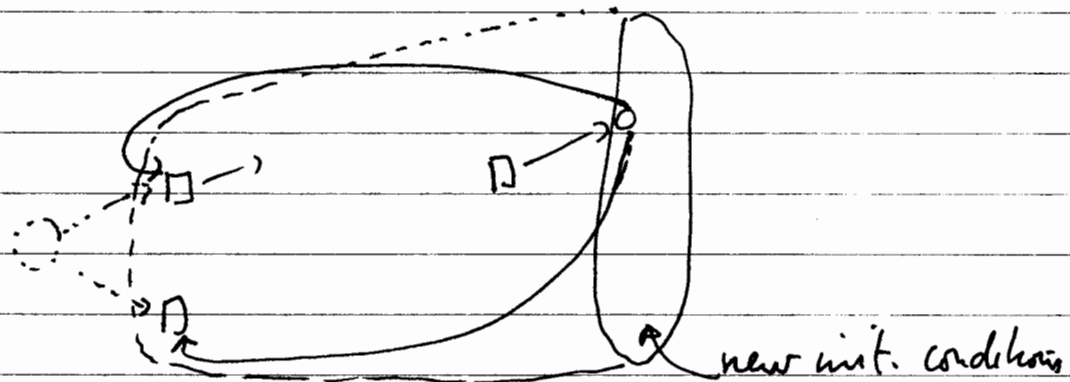
(e) Take the net of if  $X > 0$  then  $c$   
 produced in (d).



The net of (d) has the form:



Form the looped net:



Sum this (as in CCS) into the

test fail net:

