How to synchronize automata Aand B ¬ φ

Qifeng Lin

17214656

October 13, 2017

recall synchronization of automata

cartesian product of automata A1*,* A2*, . . .*

�

*Q* = *Q*1x...x*Qn*;

n

�

�

*E* =

(*E* ∪ {−});

1*≤i≤n i*

*T* = {((*q*1*, ..., qn*)*,* (*q*1*, , ..., qn,* ))|*for*

=*,* −*,*

and *qi,* = *qi* ,

*all i* , *ei*

or *ei* /=*,* −*,* and (*qi, ei , qi,*) ∈ *Ti* };

*q*0 = (*q*0*,*1*, ..., q*0*,n*);

*l* ((*q*1*, ..., qn*)) = ∪1*≤i≤nli* (*qi* )

�

�

synchronization set

口[.](#_bookmark1) [.](#_bookmark0)[已](#_bookmark1) [.](#_bookmark1) [.](#_bookmark0) [.](#_bookmark1) [.](#_bookmark0) 亨 [，](#_bookmark1) [至](#_bookmark1) 今 Q. ("