20120622

EXERCISE 7 *( 4+6 points)*

L is a language over alphabet {*a, b*} given by the next graph:

***a***

***b***

S2

S1

S0

***a***

***a***

a. Give a regular expression for L.

b. Change this graph into a correct diagram of a finite state automaton of L (in case the graph isn’t already a correct FSA).

Answer:

7. a a\*ab(ab)\*  
 b.

:

***a***

***b***

S3

***b***

***a***

S2

S0

***a***

S1

***b***

***b***

***a***

Sink

***a, b***

20130117

EXERCISE 7 *(12 points)*

L is a language over alphabet { a, b } given by the next graph:

S0

S1

S2

S3

a

a

a

a

b

b

b

1. Change this graph into a correct state diagram of a finite state automaton (in case this graph isn't already a correct FSA)

