3)

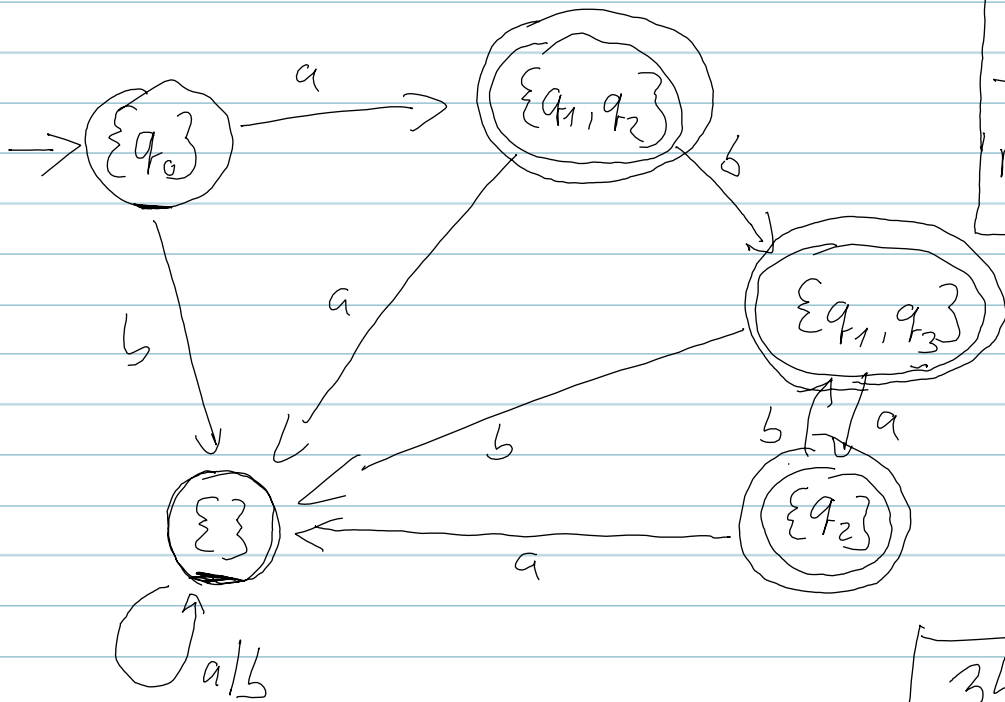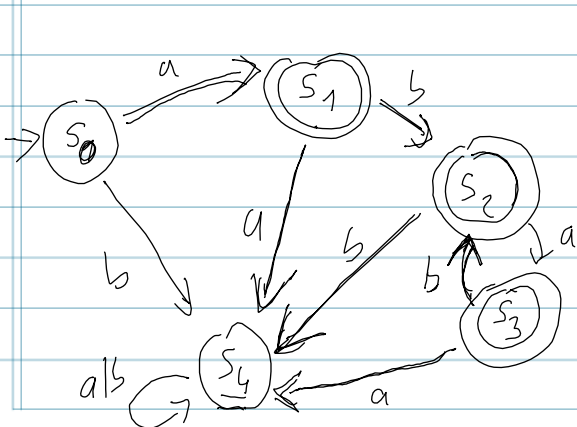a) $Z' = 2^Z$ $\qquad$ $\delta'(z', a) = \bigcup_{z \in z'} \delta(z, a)$

3c

$S \rightarrow aT \mid a$
$T \rightarrow bR \mid b$
$R \rightarrow aT \mid a$

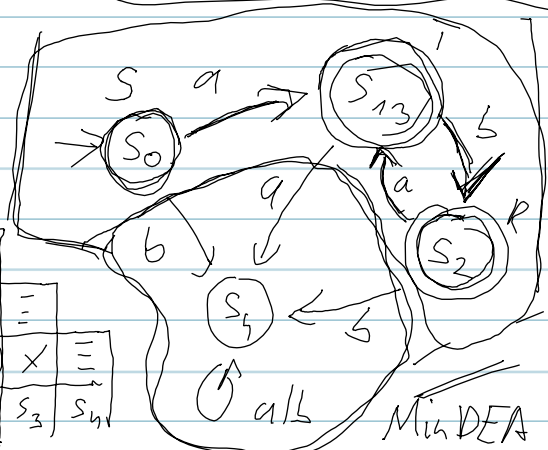DEA

$E' = \{ z \in Z \mid z \cap E \neq \emptyset \}$

3b) $a(ba)^* (b \mid \ldots$

	S_0	S_1	S_2	S_3	S_4
S_0	=				
S_1	X	=			
S_2	X	X	=		
S_3	X	=	X	=	
S_4	X	(X)	(X)	X	=

Min DEA