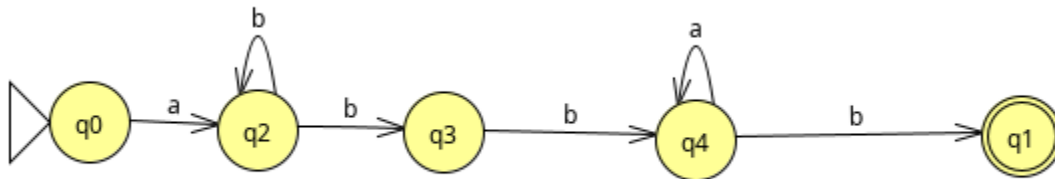


Work in groups of 2-3.

For the language $L = L(r)$ where $r = ab^* + bba^*b$

a) Construct an NFA M such that $L(M) = L$. Give the transition graph for the NFA.



b) Give a regular grammar G such that $L(G) = L$.

LHS		RHS
S	\rightarrow	aB
A	\rightarrow	λ
C	\rightarrow	bD
B	\rightarrow	bC
D	\rightarrow	bA
B	\rightarrow	bB
D	\rightarrow	aD