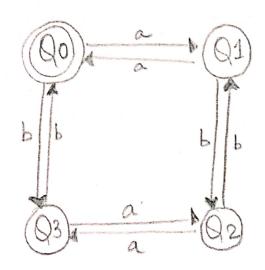
Heek-1

1) language recognisers.



DFA

$$M = (Q_1, \Sigma_1, S_1, Q_0, F)$$

 $Q = \{Q_0, Q_1, Q_2, Q_3\}$
 $\Sigma = \{a, b\}$
 $Q_0 = Q_0 - \text{initial state}$
 $Q_0 = Q_0 - \text{final state}$

8	a	Ь
$\rightarrow q_0$	9,	93
9/1	90	92
92	9,3	9,
9/3	9/2	(Po)

2

