

In distinguishable pairs! 
$$(A,D)$$
  $(A,G)$   $(D,G)$   $\Rightarrow$   $(A,D,G)$   $(B,H)$   $(B,E)$   $(E,H)$   $\Rightarrow$   $(B,E,H)$   $(C,F)$   $(C,F)$   $(C,F)$   $(C,F)$   $(C,F)$ 

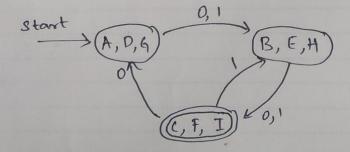
Transition table:-
$$S = O = I$$

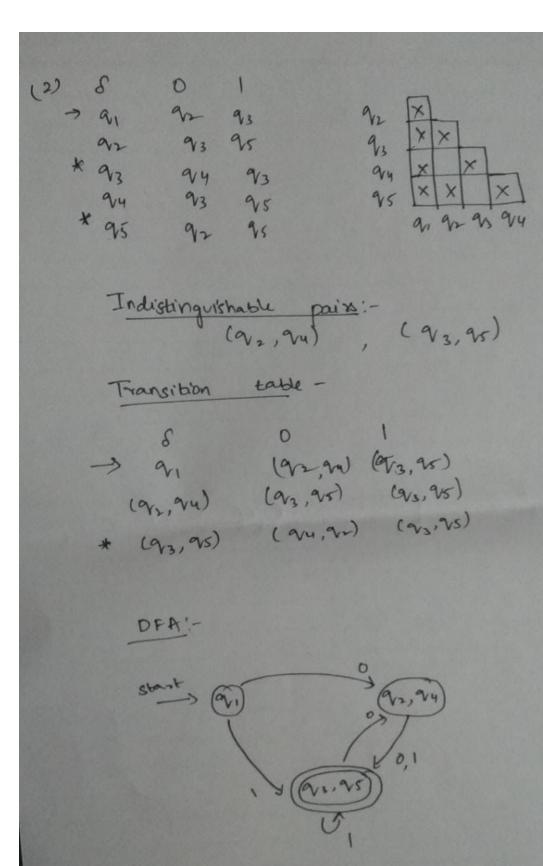
$$\rightarrow (A,D,G) \quad (B,E,H) \quad (B,E,H)$$

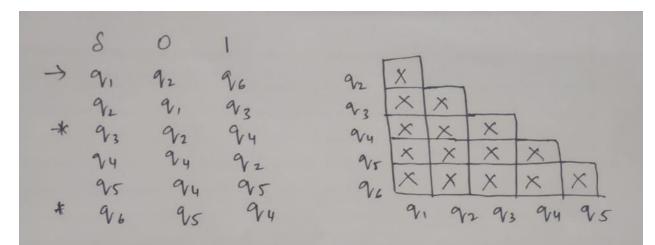
$$(B,E,H) \quad (C,F,I) \quad (C,F,I)$$

$$\star \quad (C,F,I) \quad (B,E,H)$$

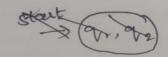
Transition Diagram !-







Indistinguishable pairs - No pair.



DFA :-

