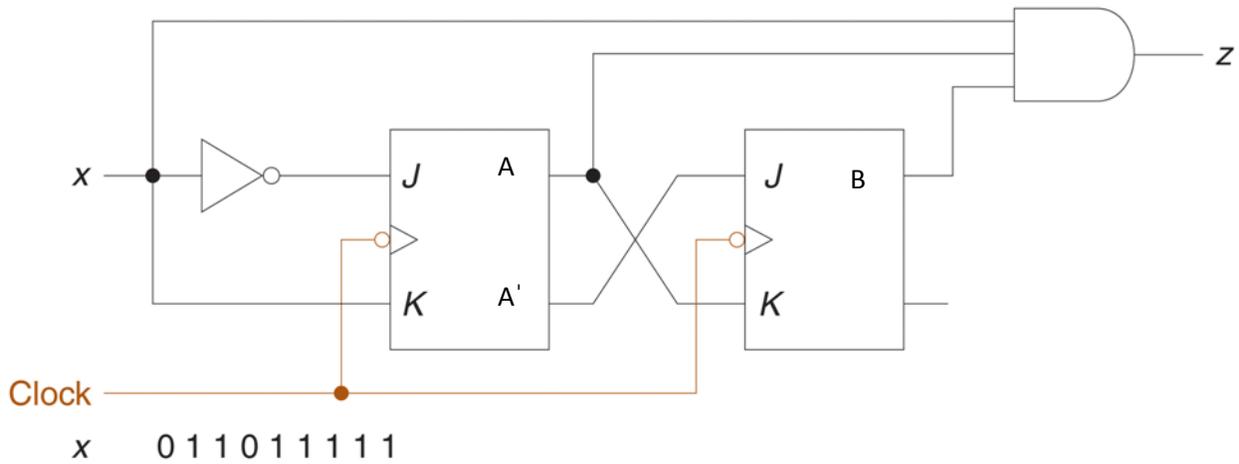


Example: Consider the following circuit,



From A. Marcovitz, *Introduction to Logic Design*, McGraw Hill, 2010.

Question: Is this a Mealy circuit or a Moore circuit?

Question: Write input equations  $J_A$ ,  $K_A$ ,  $J_B$ ,  $K_B$ .

Question: Write the next state equations. Recall that  $q^* = Jq' + K'q$

Question: Construct the state table that has the heading below.

AB	A* B*		z	
	x = 0	x = 1	x = 0	x = 1

Question: Sketch the state diagram for this logic circuit