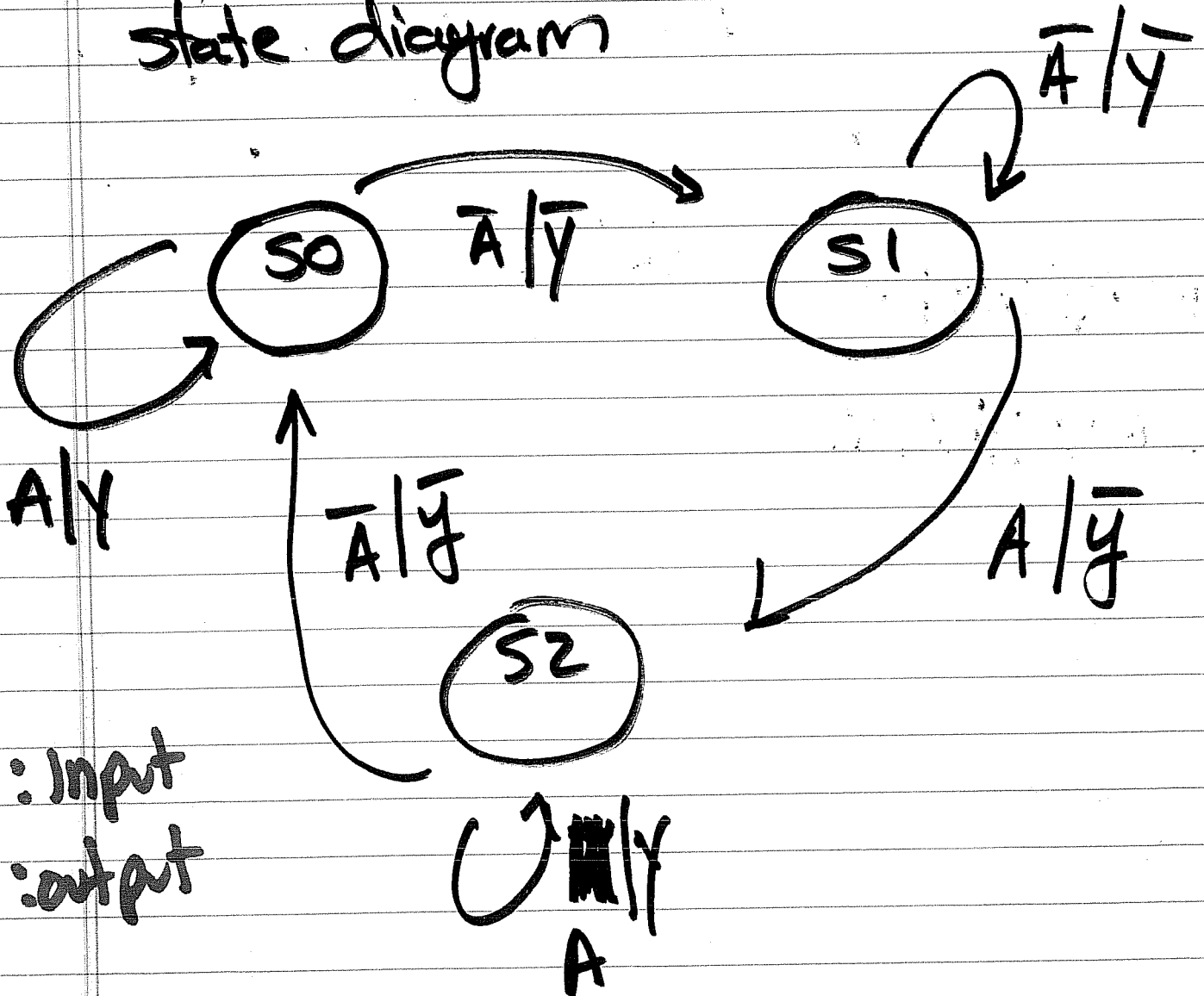


# Quiz

Draw the state transition table for the following state diagram



Current State	Input A	Next State	Output Y
S0	$\bar{A}$	S1	$\bar{Y}$
S0	A	S $\phi$	Y
S1	$\bar{A}$	S1	$\bar{Y}$
S1	A	S2	$\bar{Y}$
S2	$\bar{A}$	S0	$\bar{Y}$
S2	A	S2	Y

This is a Mealy Machine, but this is an odd state machine where some outputs appear to be like a Moore machine (i.e., see state S1)