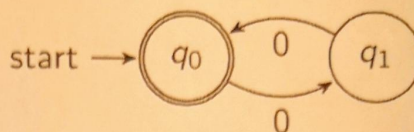
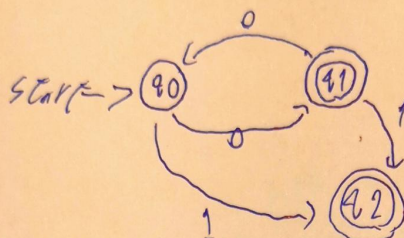


Name	M	o	s	a	b	M	o	h	a	m	e	d						
Group	P	2	0	-	0	3												

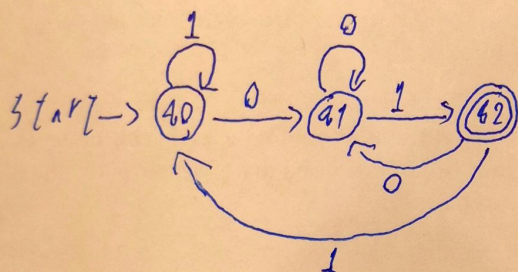
Consider an FSA M_1 over the alphabet $\{0, 1\}$:



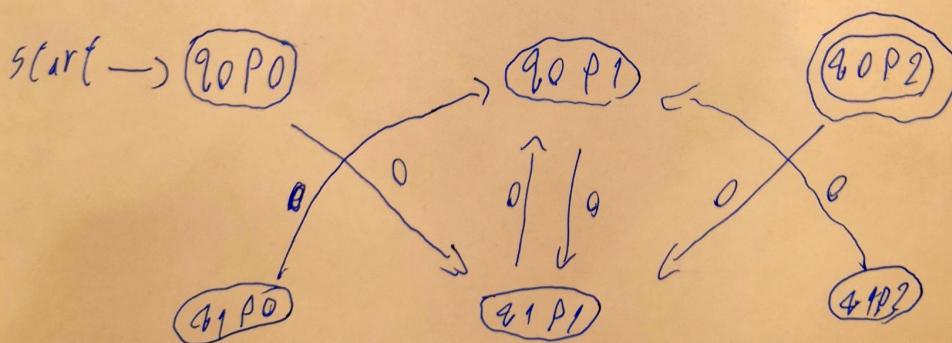
Task 1 (5 points). Construct a complement of M_1



Task 2 (5 points). Construct a complete FSA M_2 over the alphabet $\{0, 1\}$ that accepts the strings ending with 01. The FSA should have not more than 3 states.



Task 3 (5 points). Construct an intersection of M_1 and M_2



Because M_1 isn't complete the intersection will not be complete