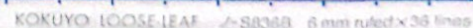
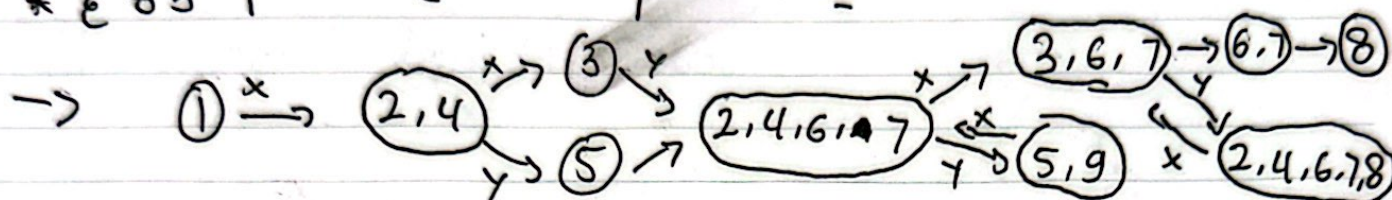


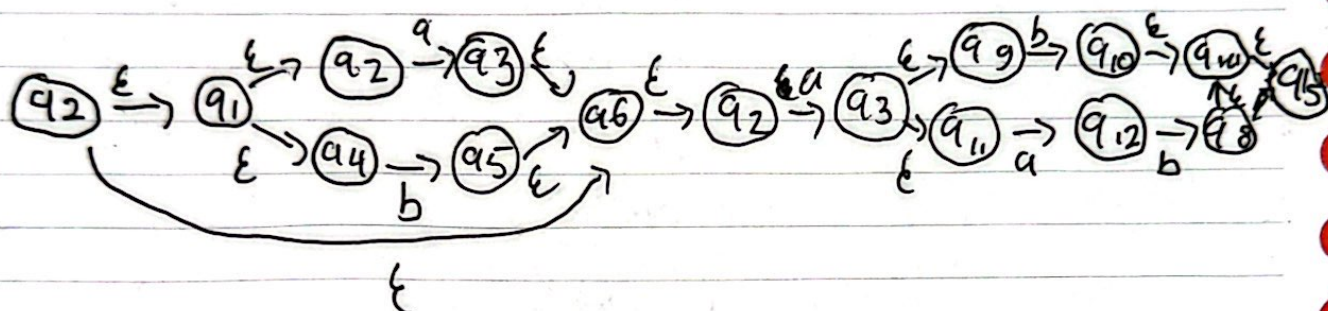
-11- (8) = 62



C. State	X	Y
$\rightarrow \epsilon 13$	$\epsilon 2, 43$	-
$\epsilon 2, 43$	$\epsilon 33$	$\epsilon 53$
$\epsilon 33$	-	$\epsilon 2, 4, 6, 73$
$\epsilon 53$	$\epsilon 2, 4, 6, 73$	-
$\epsilon 2, 4, 6, 73$	$\epsilon 3, 6, 73$	$\epsilon 5, 83$
$\epsilon 3, 6, 73$	$\epsilon 6, 73$	$\epsilon 2, 4, 6, 7, 83$
* $\epsilon 5, 83$	$\epsilon 2, 4, 6, 73$	-
$\epsilon 6, 73$	$\epsilon 6, 73$	$\epsilon 83$
* $\epsilon 2, 4, 6, 7, 83$	$\epsilon 3, 6, 73$	$\epsilon 5, 83$
* $\epsilon 83$	-	-



2. a.



b. 1. Start State (q_0) = $\epsilon 0, 1, 2, 4, 7 \rightarrow f_0$

2. ~~Step~~ ϵ -Close(s_0, a) = $\epsilon 3, 83 = \epsilon 1, 2, 3, 4, 6, 7, 8, 9, 113 \rightarrow f_1$

3. ϵ -Close(s_0, b) = $\epsilon 53 = \epsilon 1, 2, 4, 5, 6, 73 \rightarrow f_2$

4. ϵ -Close($3, 8$) a = $\epsilon 3, 8, 123 = \epsilon 1, 2, 3, 4, 6, 7, 8, 9, 11, 123$

5. ϵ -Close($3, 8$) b = $\epsilon 5, 103 = \epsilon 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 14, 15 \rightarrow f_4$

6. ϵ -Close($5, 9$) = $\epsilon 3, 83 = f_1$

7. ϵ -Close($5, 6$) = $\epsilon 53 = f_2$

8. ϵ -Close($3, 8, 12$) a = $\epsilon 3, 8, 123 = f_3$

9. ϵ -Close($3, 8, 12$) b = $\epsilon 5, 10, 133 = \epsilon 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 153 \rightarrow f_5$

10. ϵ -Close($5, 10$) a = $\epsilon 3, 8, 123 = f_3$

11. ϵ -Close($5, 10$) b = $\epsilon 5, 103 = f_4^*$

12. ϵ -Close($5, 10, 13$) a = $\epsilon 3, 8, 123 = f_3$

13. ϵ -Close($5, 10, 13$) b = $\epsilon 5, 103 = f_4^*$

