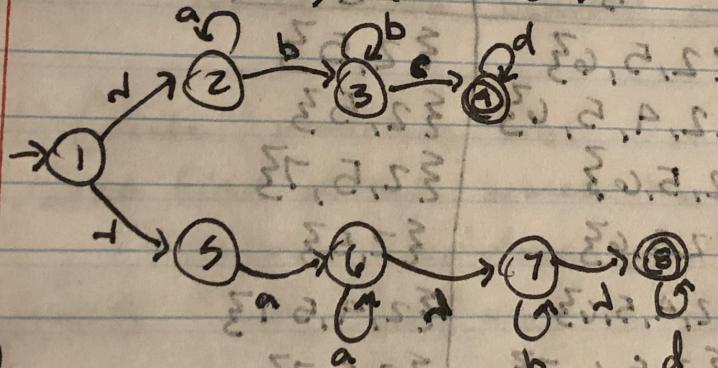


Stop	Non Final	Final
1	$\{1, 3, 4\}$	$\{2, 5, 6, 7\}$
2	$\{1, 3, 5, 4\}$	$\{2, 6, 5, 7\}$
3	$\{1, 3, 5, 3, 4\}$	$\{2, 3, 6, 5, 7\}$
4	$\{1, 3, 5, 3, 2, 4\}$	$\{2, 3, 6, 3, 5, 7\}$

Can't BE

Reduced

$$5) \quad (a^* b^* c^* d^*) \mid (a^* b^* d^*)$$



2)

State	a	b	c	d
1	$\{1, 2, 5\}$	$\{2, 1, 6, 7, 8\}$	$\{3\}$	—
2	$\{2, 4, 7, 8\}$	$\{2, 4, 7, 9\}$	$\{3, 7\}$	$\{8\}$
3	$\{3\}$	—	$\{3\}$	$\{4\}$
4	$\{3, 7\}$	—	$\{3, 7, 8\}$	$\{4\}$
5	$\{8\}$	—	—	$\{8\}$
6	$\{4\}$	—	—	$\{4\}$
7	$\{3, 7, 8\}$	$\{5, 2, 5\}$	$\{4\}$	$\{8\}$