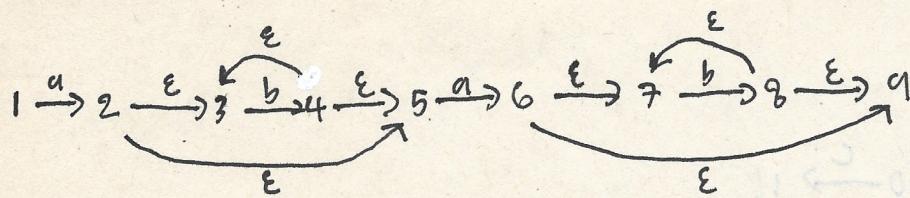
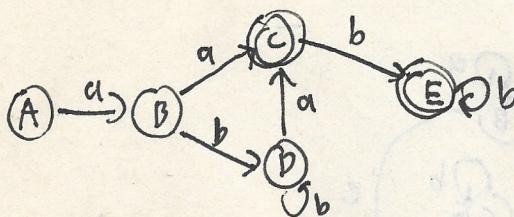


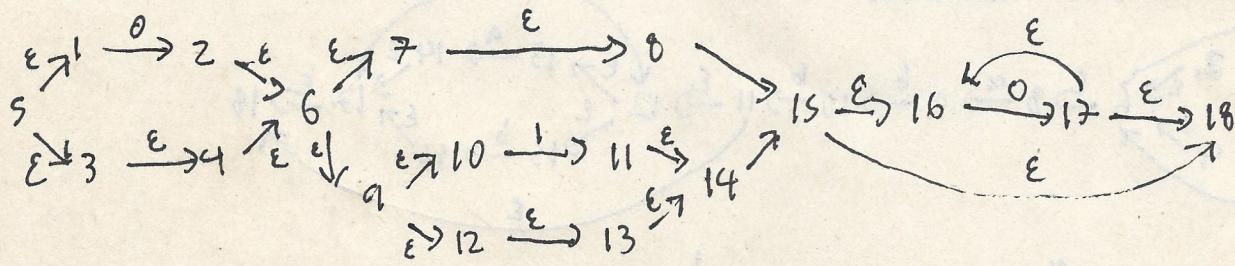
• ab^*ab^*



	a	b
1 A	2, 3, 5	-
2, 3, 5 B	6, 7, 9	3, 4, 5
6, 7, 9 C	-	7, 8, 9
3, 4, 5 D	6, 7, 9	3, 4, 5
7, 8, 9 E	-	7, 8, 9



• $O? (1?)? O^* \rightarrow (O|ε)((1|ε)|ε) O^*$

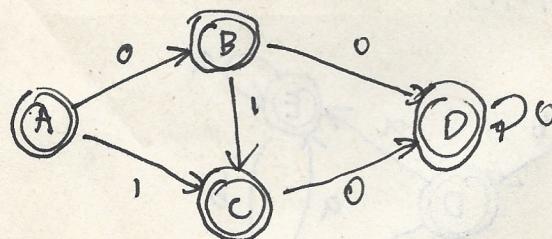


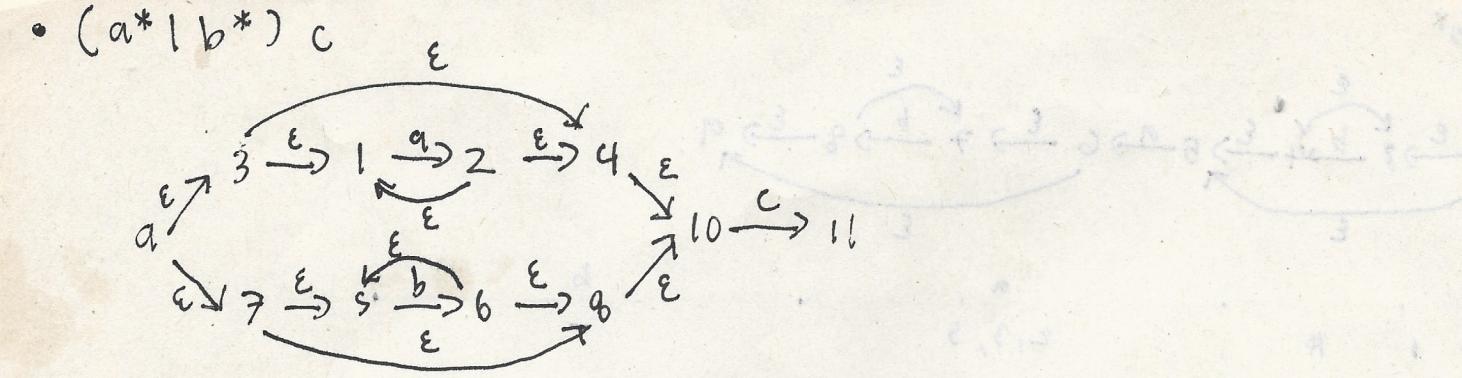
$A = 5, 1, 3, 4, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 19$ $2, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18 = B$ $11, 14, 15, 16, 17, 18 = C$

B
C
D

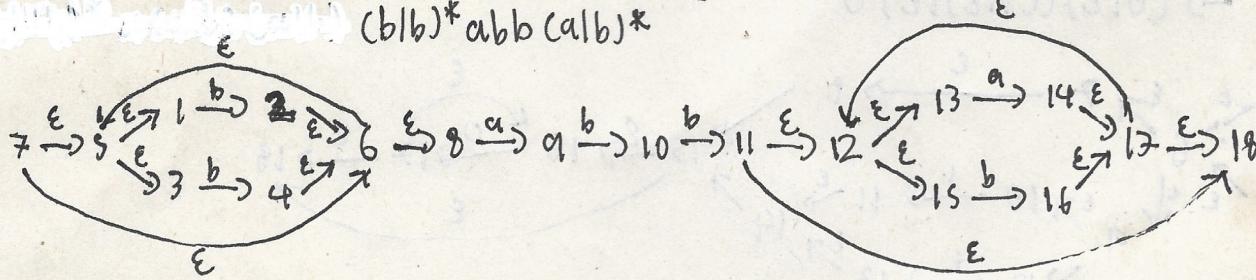
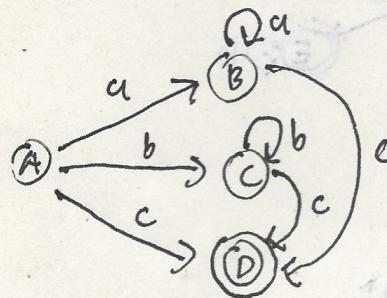
O
D
D

1
C
=

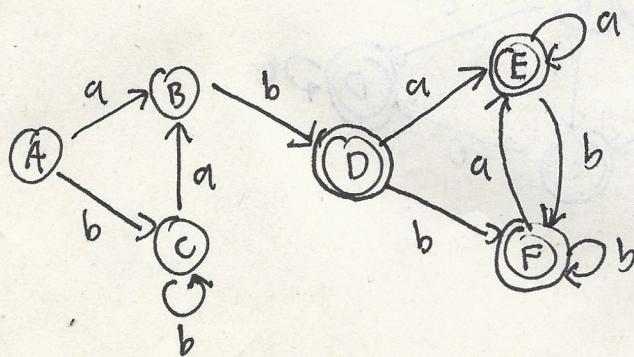




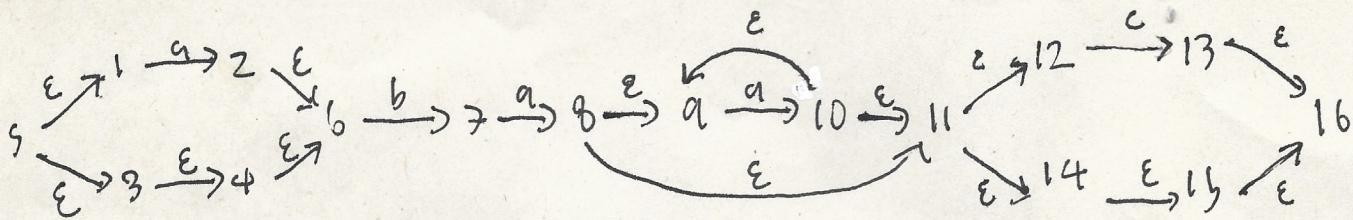
$a, 3, 1, 4, 10, 7, 5, 8$	A	a	c
$1, 2, 4, 10$	B	$1, 2, 4, 10$	b
$5, 6, 8, 10$	C	$1, 2, 4, 10$	11
$\underline{11}$	D	$-$	11
		$9, 6, 8, 10$	11
		$-$	$-$



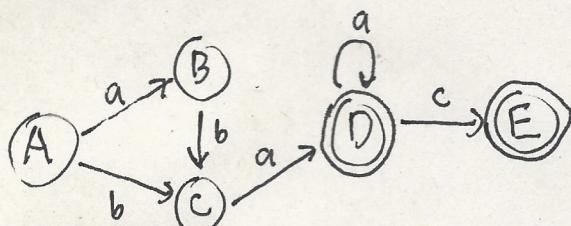
$7, 5, 8, 1, 3$	A	a	b
a	B	9	$2, 4, 6, 5, 1, 3, 8$
$2, 3, 6, 5, 1, 3, 8$	C	9	$10, 11, 12, 13, 15, 16$
$10, 11, 12, 13, 15, 16$	D	$14, 17, 18, 12, 13, 15$	$2, 4, 6, 5, 1, 3, 8$
$14, 17, 18, 12, 13, 15$	E	$14, 17, 18, 12, 13, 15$	$16, 17, 18, 12, 13, 15$
$16, 17, 18, 12, 13, 15$	F	$14, 17, 18, 12, 13, 15$	$16, 17, 18, 12, 13, 15$



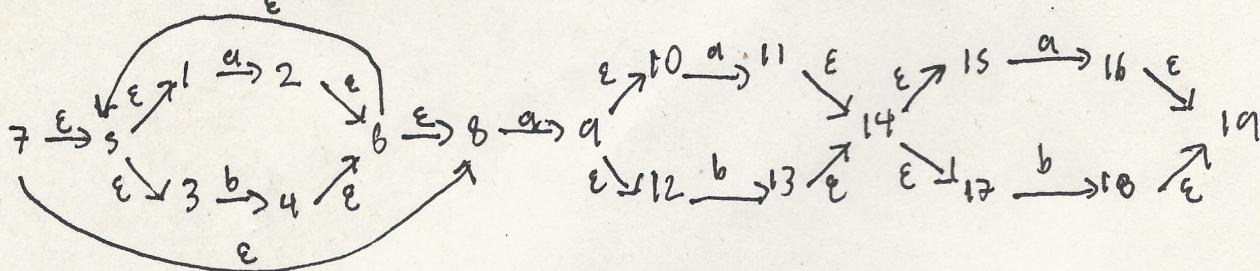
• $(a|ε)b(a+)c? \rightarrow (a|ε)b(aa^*)(c|ε)$



	a	b	c
5, 1, 3, 4, 6 A	2, 6	7	-
2, 6	0	7	-
7	C	8, 9, 10, 11, 12, 14, 15, 16	-
8, 9, 10, 11, 12, 14, 15, 16 D	9, 10, 11, 12, 14, 15, 16	-	13, 16
13, 16 E	-	-	-



• $(alb)^* a Calb) (alb)$



	a	b
7, 5, 1, 3, 8 A	2, 6, 5, 1, 3, 9, 10, 11, 14, 15, 13, 12, 16, 19 = B	4, 6, 5, 1, 3, 8
B	B	13, 14, 15, 12, 16, 19
4, 6, 5, 1, 3, 9 C	B	4, 6, 5, 1, 3, 8
13, 14, 15, 17, 18, 19 D	16, 19 ∈ B	18, 19 ∈ D

