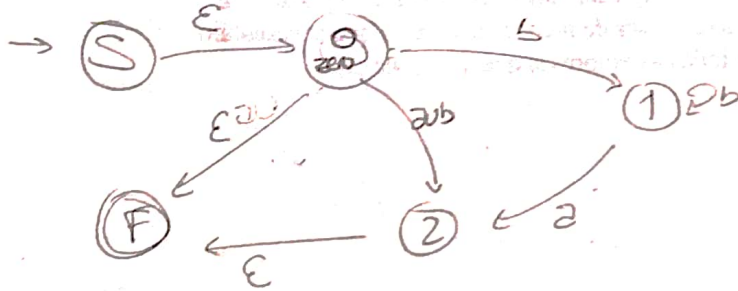


	a	b
0	2	1
1	2	0
2	0	0



	0	1	2	F
S	epsilon	empty	empty	empty
0	empty	b	ab	epsilon
1	empty	b	a	empty
2	empty	empty	empty	epsilon

$q_{rem} = 0$      $q_i = \{S, 1, 2\}$      $q_f = \{1, 2, F\}$

0, S, 1	0, S, 2	0, S, F	0, 1, 1	0, 1, 2	0, 1, F
00 epsilon	00 epsilon	00 epsilon	00 empty	00 empty	00 empty
01 empty	01 empty	01 empty	01 b	01 x	01 x
02 b	02 ab	02 empty	02 empty	02 x	02 empty
10 empty	10 empty	10 empty	11 b	11 empty	11 empty
11 empty	11 empty	11 empty	12 empty	12 a	12 empty
12 empty	12 empty	12 empty	1F empty	1F empty	1F empty
20 empty	20 empty	20 empty	21 empty	21 empty	21 empty
21 empty	21 empty	21 empty	22 empty	22 empty	22 empty
22 empty	22 empty	22 empty	2F empty	2F empty	2F empty
2F empty	2F empty	2F empty	2F empty	2F empty	2F empty

0, 2, 1	0, 2, 2	0, 2, F
00 empty	00 empty	00 empty
01 empty	01 empty	01 empty
02 empty	02 empty	02 empty
10 empty	10 empty	10 empty
11 empty	11 empty	11 empty
12 empty	12 empty	12 empty
1F empty	1F empty	1F empty
20 empty	20 empty	20 empty
21 empty	21 empty	21 empty
22 empty	22 empty	22 empty
2F empty	2F empty	2F empty

	1	2	F
S	b	ab	epsilon
1	b	a	empty
2	empty	empty	epsilon

$$q_{rem} = 1 \quad q_i = \{S, 2\} \quad q_j = \{2, F\}$$

1, S, 2	1, S, F	1, 2, 2	1, 2, F
S 1 b	S 1 b	2 1 $\emptyset$	2 1 $\emptyset$
1 1 b	1 1 b	1 1 b	1 1 b
1 2 a	1 F $\emptyset$	1 2 x	1 F x
S 2 a b	S F $\epsilon$	2 2 $\emptyset$	2 F $\epsilon$
= $b b^* a   a   b$	= $\epsilon$	= $\emptyset$	= $\epsilon$

	2	F
S	$b b^* a   a   b$	$\epsilon$
2	$\emptyset$	$\epsilon$

$$q_{rem} = 2 \quad q_i = \{S\} \quad q_j = \{F\}$$

2, S, F

S 2 =  $b b^* a | a | b$

2 2 =  $\emptyset$

2 F =  $\epsilon$

S F =  $\epsilon$

=  $b b^* a | a | b | \emptyset | \epsilon$

=  $b b^* a | a | b | \epsilon | \epsilon$

=  $b b^* a | a | b | \epsilon //$