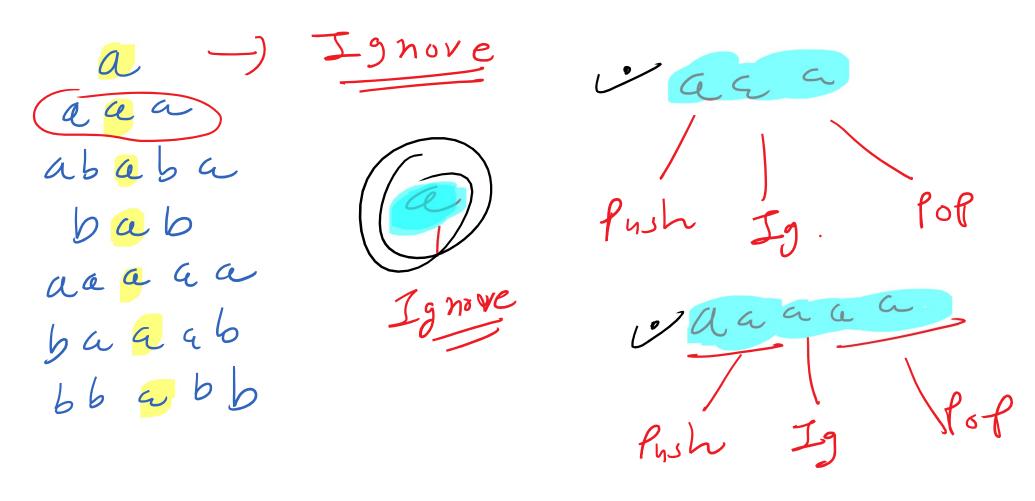


$$L= \{a^nb^n \mid n >= 0\}$$

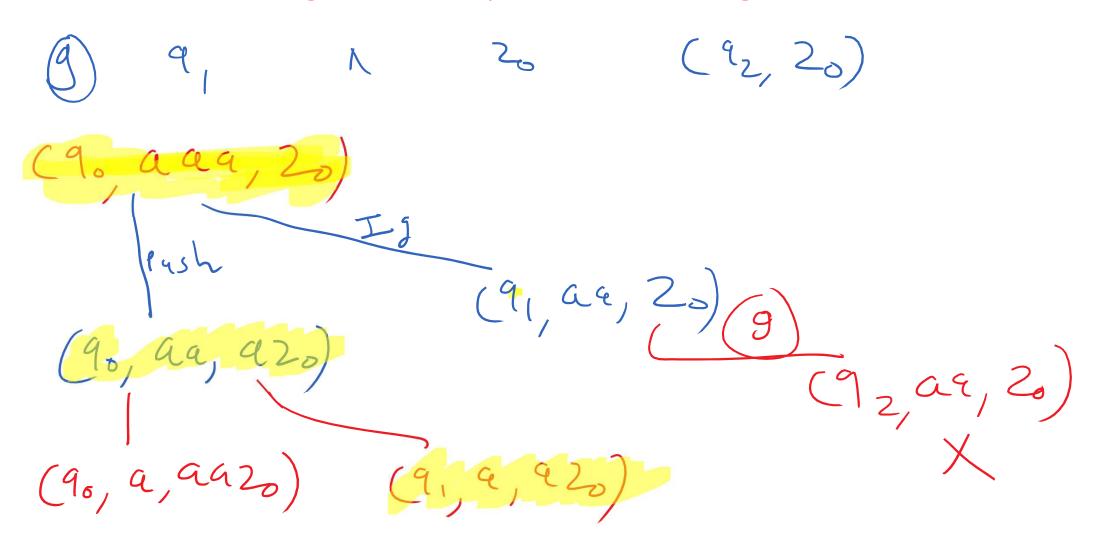
	Move Number	State	Input	Stack Symbol	Move(s)
	1	(q_0)	a	Z_0	$\mathcal{I}(q_1, aZ_0)$
Rec	\rightarrow 2	91	a	a	(q_1, aa)
	3	q_1	b	a	
Rec	$\rightarrow \frac{4}{5}$	q_2	<i>b</i>	a	(q_2, Λ)
		(all other o	Z ₀	nope (q3, A0)	

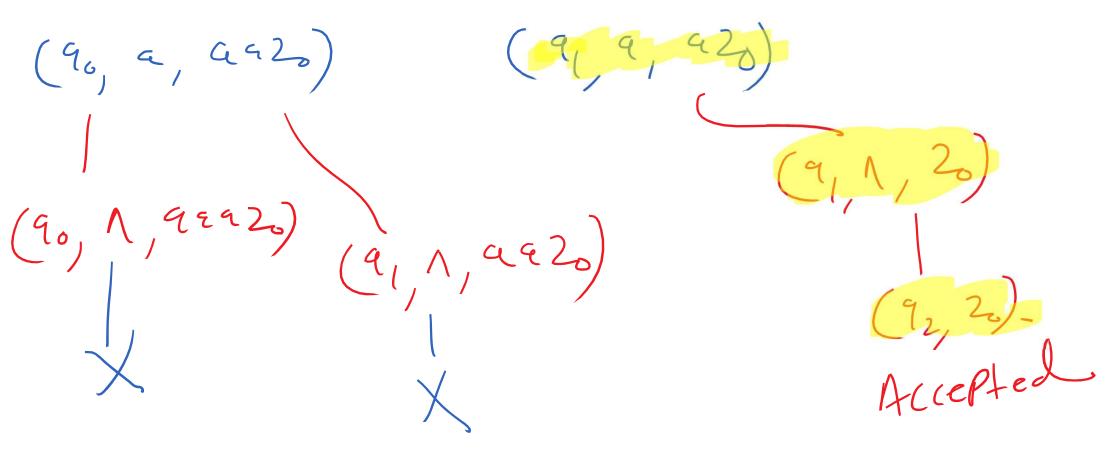
(90, aabb, 20) (91, asb, azo) (2) (91, bb, aa20) (3) (92, 6, 420)(92, 1, 20) (93,20) Accepted

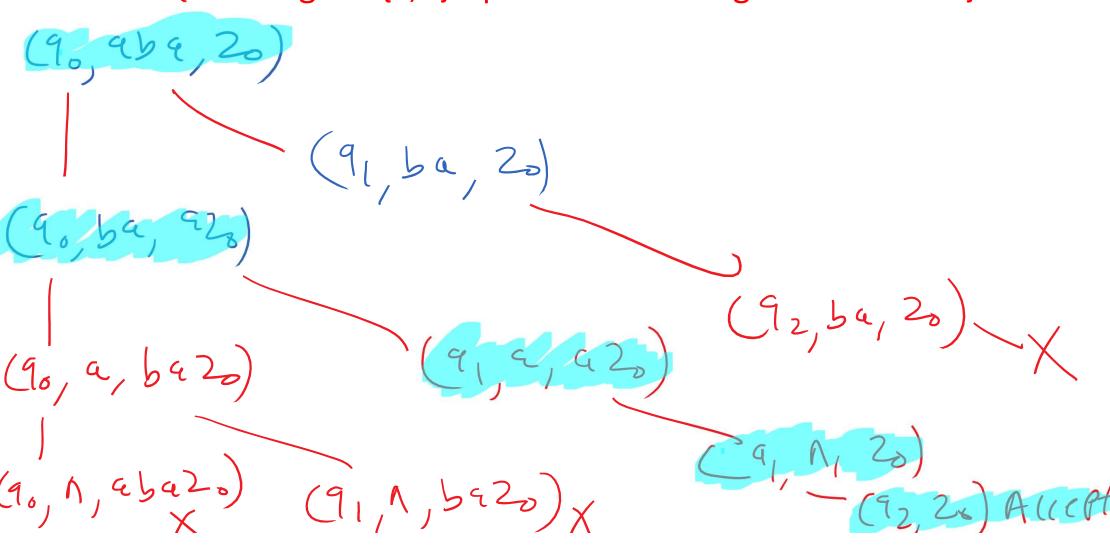
(90, 1, 20) Aucrted



		_		_
	20	a	Zo	(90,920) (91, 20)
(2)	20	6	20	(90, b20) (91, 20)
(3)	Vo	Q	9	(90, aa) (91, a)
(4)	2º	a	P	(90, ab) (91, b)
(5)	Qo	6	6	(90, bb) (91, b)
		Ь	a	(20, ba) (91, a)
7	90 91 91	a	حي ا	(9// N)
18	9		6	(9, N)

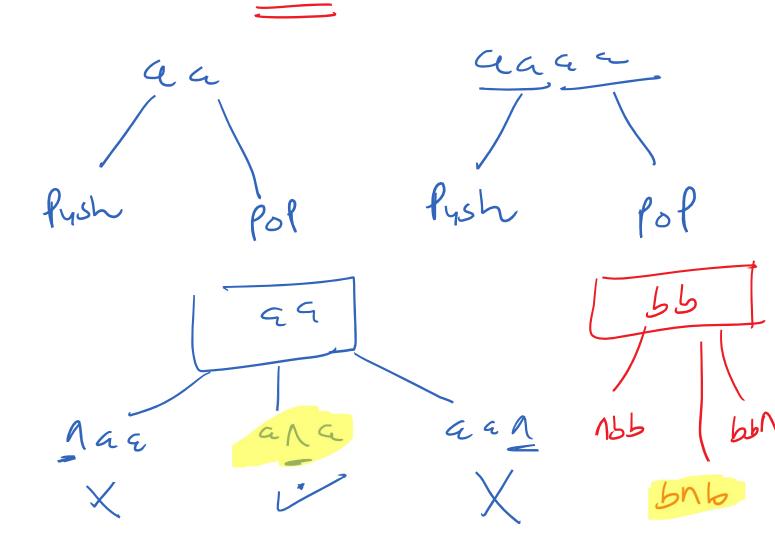






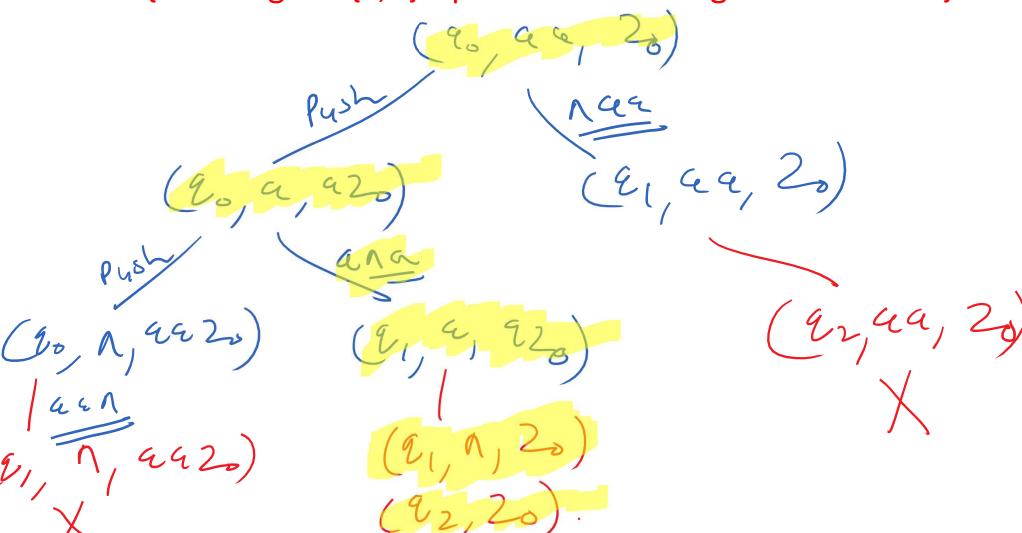
L= {x belongs to {a,b}* | x is an Even Length Palindrome}

9,00 455 a banb 4444



L= $\{x \text{ belongs to } \{a,b\}^* \mid x \text{ is an Even Length Palindrome} \}$

	9.	ce	2	(90, a 25).	_ P45h
		\land	20	(91, 20)	
(3)		b	2,	(9 b 20) }	
(4)	90	æ	a	(20,0eg)	
(5)	_	a	6	(90, 4b)	Pash
6	20	b	a	(90, ba)	
(7)	96	5	Ь	(20, bb)	



L= {x belongs to {a,b}* | x is a Palindrome}

Move Number	State	Input	Stack Symbol	Move(s)
1	q_0	a	Z_0	$(q_0, aZ_0), (q_1, Z_0)$
2	q_0	a	a	$(q_0, aa), (q_1, a)$
3	q_0	a	b	$(q_0, ab), (q_1, b)$
4	q_0	b	Z_0	$(q_0, bZ_0), (q_1, Z_0)$
5	q_0	b	a	$(q_0, ba), (q_1, a)$
6	q_0	b	b	$(q_0, bb), (q_1, b)$
7	q_0	Λ	Z_0	(q_1, Z_0)
8	q_0	Λ	a	over (q_1, a)
9	q_0	Λ	b	$\mathcal{C}^{(g_1,b)}$
10	91	a	a	(q_1, Λ)
11	q_1	b	b	(q_1, Λ) ρ_0
12	q_1	Λ	Z_0	(q_1, X) (q_2, Z_0) (q_1, X) (q_2, Z_0) (q_1, X)
		combinations		none Hui

