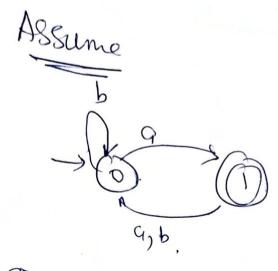
Rivite Automete 2 meanne to
Brown Matchiej fred patien = Time complexity o(n) will be because each charector theeked exactly once => It has a transition lable each table have Siteme Q = set of Steles E = set of alphabete 8 = transition mapping (b) w (a) * &) YOF Q = Miticel State

Inited State find state

F subsel Q 2 finel Steller



$$\mathcal{E}(0,q) \rightarrow 1$$
 } Transition example)
 $\mathcal{E}(1,q) \rightarrow 0$

Transition table

=) Remember profix & Suffer. abedabc. a, ab, abc all one pefix ? Suffer. Now Tz ababacaba Pz ababaca

1

W

>) Transition Table

Stile	a	b	C	Pollen
0	1	O	0	9
	1	2	O	Ь
2	(3)	0	0	9
3		4	0	<u>b</u>
4	(5)	0	0	9
5	1	4	6	C
6	9	0	0	9
7	1	2	0	

A

ſ

Trongitus
Joble
Text potter finti aute [T, 8, m]. zero // = q = 0 length (T)
stelle for ielt n do $q = S(q, T[i]) \Rightarrow 1$ 7= m print found at i-m-11 1> match both Avensition telle abababacaba 1 2 3 4 5 4 5 6 7 2 3 Stell

1



apce paparea ppp 120001234567200

0 (m 1 21)

no of chanelier

e. 8 p = n 9 n 0 T'- bananahona. 0012323912.

	10		10	0
	10	19	0	_
		0	0	-
7		8	0	_
2	(3)	0	0_	À
3	10	2	10	`
£4	-	0	9	
, ,		1		