	Shortest way to form a string -> Approach			
	"abca"	target = "	a abacb"	
				If any target the doesn't exist
resu	lt	2092	t Pos	in source, return
1		0	0	-1 early
1		1 2	1	maintain hash set.
1		3	1	
1		4 → out of loc bounds (oc	2	
2		0	2_	
2		t	2_	
2		2	3	
2		3	3	
2		4 -> 00B	4	
3 : 3		0 : 2	4 : 4	
3		3	5	
3		4 -> 00 B	ς	
3		•	5	
3		1	5	
3		د	6	- gase os 800 +

Shortest way to form a string -> Approach 2 target = "aabacb" Source: "abca" map: (character, list of indices in source) chave at sPos in somew & tPoe in target match, : inc slos = 0 a - (o, s) - list t Pos = o b → [1] c - [2] tPos = 1 char(tPos) = 'a' : We've booking to see if spor = 1 exists in list for 'a' in the map. Since it doesn't exist, binny seach = 1 - index in a's list -(insertion Point)-1 when it should be present Make il positive = -(-2)-1=2-1=1 .. Next occurence of a is at index I in the list. : list[i]:3 3 is the index in SPOS when the next

occurrence of a is found.

So, we set spos to one index after 3.