*	String Motching Algo.
4	Need - finding all occurrences of a pattern in the text. Apples: patterns in DNA, internet SEs.
•	text array T[1n] & pattern is an array P[1m
1.>	Naive Approach Finds all valid shifts using a loop that checks the cond-
	era 7-Trata stm7
٥	2 c 2 a b c 2 c 2 a b c 2 a a b c 2
	बिबि विबि विबि वि
	S=3: [2] c 2 b c Pattern occurs with shift 2
•	Naive-String-Matcher (T, P) n = T. length
	m = P, length for s = 0 to $n - m$
	if print ("Pattern occurs with shift's") print ("Pattern occurs with shift's")
	print (Pattern occurs with shift s)
1	ime: O((n-m+1) m)

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2. Rabin - Karp Algo.
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$$t_s = 31 \mod 11 = 9$$

$$t_{sc} = 26 \text{ H} \text{ H} = 19$$
 $t_{sc} = 65 \text{ H} \text{ H} = 10$

$$t_{s_8} = 53$$
 " 11 = 9

We can compute to using the following formula:
$$t_{s+1} = 10(t_s - 10^{m-1} T[s+1]) + T[s+m+1]$$