Algorithms → String algorithms → Knuth-Morris-Pratt algorithm

Knuth-Morris-Pratt algorithm →
Mismatched symbols

📊 Medium   🕐 1 minute   ❓

Consider the following step of the KMP algorithm:

	0	1	2	3	4	5	6	7	8	9	10	11	12	13
t	B	A	B	C	D	A	B	C	D	A	B	C	E	E
s		A	B	C	D	A	B	C	E	E				
		0	1	2	3	4	5	6	7	8				

Here, we have a mismatch: $t[8] \neq s[7]$. Before a new iteration, we need to shift the pattern by x symbols. What is x equal to?

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✓ Correct.

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