

$T = \text{TCCAAGTTATAGCTC}$

$p_1 = \text{AT}, p_2 = \text{CC}, p_3 = \text{TC}$

shift table

A	T	C	*
2	1	1	3

First step: T C C A A G T T A T A G C T C

We open a window with length 2 to compare with AT, CC and TC. We found that it has an exact matching with p_3 . Then shift the window according to shift table value of next position.

Second step: T C C A A G T T A T A G C T C

We found CC has an exact matching with p_2 . Then we shift the window 2 positions.

Third step: T C C A A G T T A T A G C T C

We cannot find AA among p_1, p_2 and p_3 .

Then shift the window 3 positions and continue to compare.