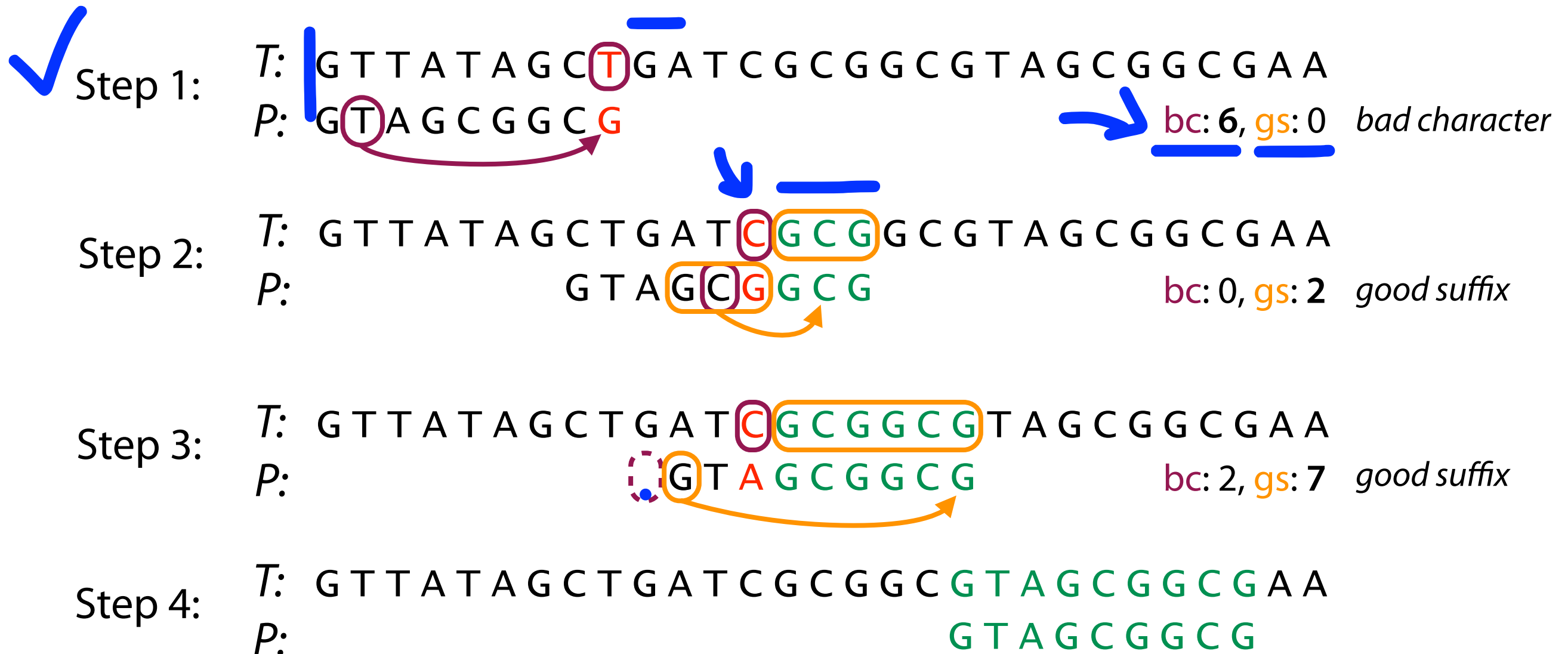



Boyer-Moore: Putting it together

Use bad character or good suffix rule, *whichever skips more*



11 characters of *T* we ignored

Step 1: 
T: G T T A T A G C T G A T C G C G G C G T A G C G G C G A A
P: G T A G C G G C G

Step 2: *T*: G T T A T A G C T G A T C G C G G C G T A G C G G C G A A
P: G T A G C G G C G

Step 3: *T*: G T T A T A G C T G A T C G C G G C G T A G C G G C G A A
P: G T A G C G G C G


Step 4: *T*: G T T A T A G C T G A T C G C G G C G T A G C G G C G A A
P: G T A G C G G C G



Skipped 15 alignments

Boyer-Moore: Preprocessing

Pre-calculate skips. For bad character rule, $P = \text{TCGC}$:



Σ

	P			
	T	C	G	C
A	0	1	2	3
C	0	-	0	-
G	0	1	-	0
T	-	0	1	2

T : A A T C A A T A G C
 P : T C G C

