Boyer-Moore: Putting it together

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

Step 1:

Step 2:

Step 3:

Step 4:

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 = TCGC:

P

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