

Test 1 (1322 class module)

i: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
txt: a b a b a b a a a b a b a b a
pat: a b a b a
 a b a b a
 a b a b a
 a b a b a
 a b a b a
 a b a b a
 a b a b a
 a b a b a

$\rightarrow \text{lot}[a] = 4 > 3 \Rightarrow i++$
 $\rightarrow \text{lot}[b] = 3 \Rightarrow 5 + 1 - 3$
 $\rightarrow 4 > 1$

* Note, when tracing through algorithm denotes a comparison

LOT a b
 4 3
 Ftable [0, 0, 1, 2, 3]

 $12 = 5 - 3 = 2$

numComparisons: $5 + 2 + 2 + 1 + 4 + 1 + 5 + 2 = 22$

matches: [0, 2, 8, 10]

Test 2

i: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Text: a b c a b c a b c e a b c a b c e
Pat: a b c a b c e
 a b c a b c e
 a b c a b c e
 a b c a b c e

LOT: a b c e
 3 4 5 6

Ftable: [0, 0, 0, 1, 2, 3, 0]

$k = 7 - 0 = 7$

numComparisons = $1 + 7 + 7 = 15$