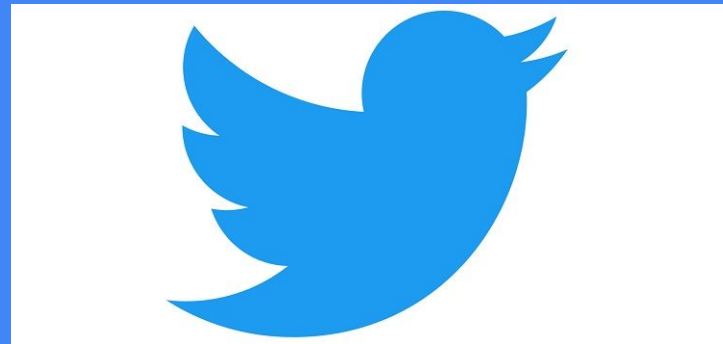


Twitter Search

Tao Zhang, Zehao Hui, Junyi TANG



Searching algorithm

KMP Pattern

Boyer Moore

Rabin Karp

Other possible faster searching algorithms...

Text : A A B A A C A A D A A B A A B A

Pattern : A A B A

A A B A A A B A
A A B A A C A A D A A B A A B A
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
 A A B A

Pattern Found at 0, 9 and 12

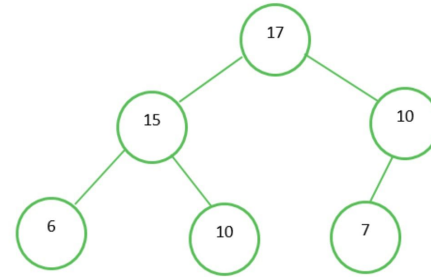
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
G C A A T G C C T A T G T G A C C
○ T A T G T G
 T A T G T G
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
G C A A T G C C T A T G T G T G A C C
 T A T G T G

Ranking

Sorting algorithms

Heap

Max-Heap

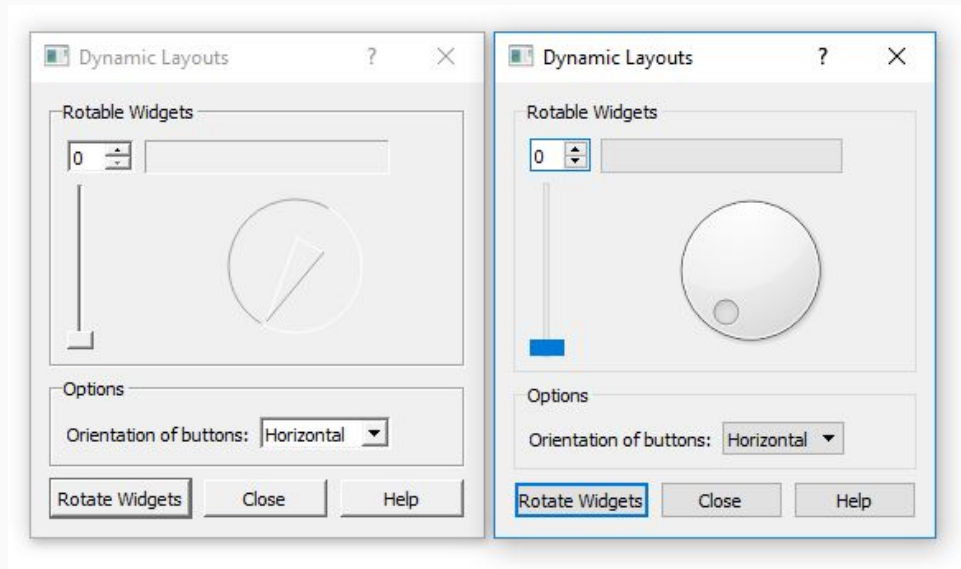


GUI

Qt

Ultimate++

MFC



Thanks!

