

Sequence alignment: exact alignment Z algorithm, KMP, Boyer-Moore

Homework 2 questions?



Sequence alignment: exact matching ACAGGTACAGTTCCCTCGACACCTACTACCTAAG Text CCTACT Pattern CCTACT for i = 0 .. len(Text) { for j = 0 .. len(Pattern) { if (Pattern[j] != Text[i]) go to next i } if we got there pattern matches at i in Text } Running time = O(len(Text) * len(Pattern)) = O(mn)

Worst case?

(m - n + 1) * n comparisons















