

Tutorial 10: July 18

1. Let $P = \text{abacabaca}$ and let $T = \text{abacabacdabaca}$.
 - a) Compute the failure array
 - b) Search for P in T using the KMP algorithm.
2. Let s be a string of length n and let \mathcal{T}_s denote the corresponding suffix tree. For an integer parameter $1 \leq \ell \leq n$, give an $O(n)$ time algorithm that finds the most commonly occurring substring of length ℓ in s .
3. Let $P = \text{MOM}$ and let $T = \text{ALOMOMOLA}$. Search for P in T using Suffix Arrays.