Knuth: Morris Pratt

1 2 3 4 5 6 7 8 9

String of & c of a b c of g

pattern >01 b c of of

1 2 3 4 5

.

string of a a a b

pattern of a b

1 2 3 4 5 6 7 d b c ol- a b c pattern prefixes d, ab, abc, abcol, suffixes: c, bc, abc, dahc, longest prefix sulfix

.

Prefix function 01 b c d o1 b c a b f
00000123120 abc o prelixes [a] hb) abc, abcd qy flixes.

S, obcool20123
Prefix function

leh (gtring) >> len(pattern)

m²

8 1011 12 131415 Pattern a bolol-1) Compré Préfix function Lou pattern

 $2) \quad (n + m^2)$ Rabin-Kanp KMP Vaive