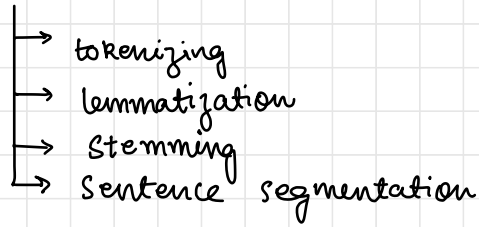


Chapter 2 : Regular Expressions, Text Normalization, Edit Distance

- Text Normalization



Exercises

(Q2.1)

(a) $\backslash b [a-z A-Z]^+ \backslash b$

(b) $\backslash b [a-z]^* b \backslash b$

(c) $\backslash b b + (ab^+)^+ \backslash b$

(Q2.2)

(a) $(\cdot +) _ _ 1$

(b) $^ [0-9]^+ \cdot [A-Za-z]^* \cdot$

(c) $\backslash b \text{grotto} \backslash b \cdot \backslash b \text{raven} \backslash b |$
 $\backslash b \text{raven} \backslash b \cdot \backslash b \text{grotto} \backslash b$

(Q2.4)

	#	d	e	a	l
#	0	1	2	3	4
d	1	1	2	3	4
e	2	2	1	2	3
d	3	2	2	2	3
a	4	3	3	3	3

(Q2.5)

	#	b	r	i	e	f
#	0	1	2	3	4	5
d	1	2	3	4	5	6
r	2	3	2	3	4	5
i	3	4	3	2	3	4
v	4	5	4	3	4	5
e	5	6	5	4	5	6

	#	d	i	v	e	r	s
#	0	1	2	3	4	5	6
d	1	0	1	2	3	4	5
r	2	1	2	3	4	5	6
i	3	2	1	2	3	4	5
v	4	3	2	1	2	3	4
e	5	4	3	2	1	2	3