

Q-3. k

Q-4.

	-1	p	r	o	s	p	e	r	i	t	y
-1	0	0	0	0	0	0	0	0	0	0	0
p	0	1	1	1	1	1	1	1	1	1	1
r	0	1	2	2	2	2	2	2	2	2	2
o	0	1	2	3	3	3	3	3	3	3	3
p	0	1	2	3	3	4	4	4	4	4	4
e	0	1	2	3	3	4	5	5	5	5	5
r	0	1	2	3	3	4	5	6	6	6	6
t	0	1	2	3	3	4	5	6	7	7	7
i	0	1	2	3	3	4	5	6	7	7	7
e	0	1	2	3	3	4	5	6	7	7	7
y	0	1	2	3	4	4	5	6	7	7	7

Birthday / Anniversary

LCS length is 7 & LCS is prepeat.