

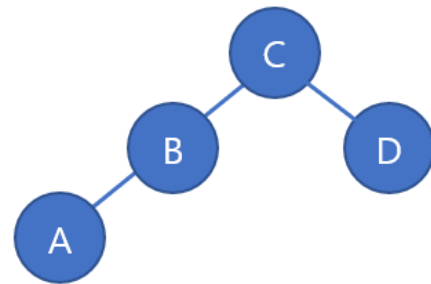
알고리즘 분석 과제 5

00분반 컴퓨터공학과 2019110630 박규리

1. 최적 이진검색트리 구축 알고리즘에 대한 data1, data2에 대한 결과

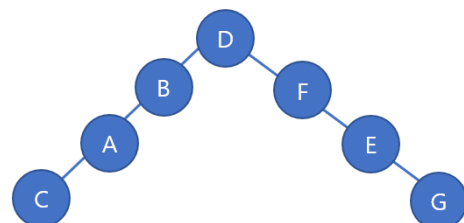
① Data1

0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.13	0.47	1.00	1.73	0.00
0.00	0.00	0.20	0.67	1.33	0.00
0.00	0.00	0.00	0.27	0.87	0.00
0.00	0.00	0.00	0.00	0.33	0.00
0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0	0	0
0	1	2	2	3	0
0	0	2	3	3	0
0	0	0	3	4	0
0	0	0	0	4	0
0	0	0	0	0	0
A					
B					
C					
D					
C					
B					
A					
D					



② Data2

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.12	0.38	0.62	1.00	1.38	1.75	2.12	0.00
0.00	0.00	0.12	0.38	0.62	1.00	1.38	1.75	0.00
0.00	0.00	0.00	0.12	0.38	0.62	1.00	1.38	0.00
0.00	0.00	0.00	0.00	0.12	0.38	0.62	1.00	0.00
0.00	0.00	0.00	0.00	0.00	0.12	0.38	0.62	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.38	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0	0	0	0	0	0
0	1	1	2	2	2	3	4	0
0	0	2	2	3	3	3	4	0
0	0	0	3	3	4	4	4	0
0	0	0	0	4	4	5	5	0
0	0	0	0	0	5	5	6	0
0	0	0	0	0	0	6	6	0
0	0	0	0	0	0	0	7	0
0	0	0	0	0	0	0	0	0
A								
B								
C								
D								
E								
F								
G								
D								
B								
A								
C								
F								
E								
G								



2. DNA 서열 맞춤 알고리즘 최적 맞춤을 음영으로 처리한 생성 테이블

	0 C	1 A	2 C	3 G	4 T	5 C	6 C	7 A	8 C	9 C	10 -
0 G	6	6	5	4	6	7	8	10	12	14	16
1 A	7	5	5	4	4	5	6	8	10	12	14
2 C	9	7	5	4	3	3	4	6	8	10	12
3 T	11	9	7	5	3	2	3	4	6	8	10
4 T	12	10	8	6	4	3	1	2	4	6	8
5 A	14	12	10	8	6	4	2	0	2	4	6
6 C	16	14	12	10	8	6	4	2	0	2	4
7 C	18	16	14	12	10	8	6	4	2	0	2
8 -	20	18	16	14	12	10	8	6	4	2	0