Dãy K: 76 69 78 62 25 89

1) Selection Sort:
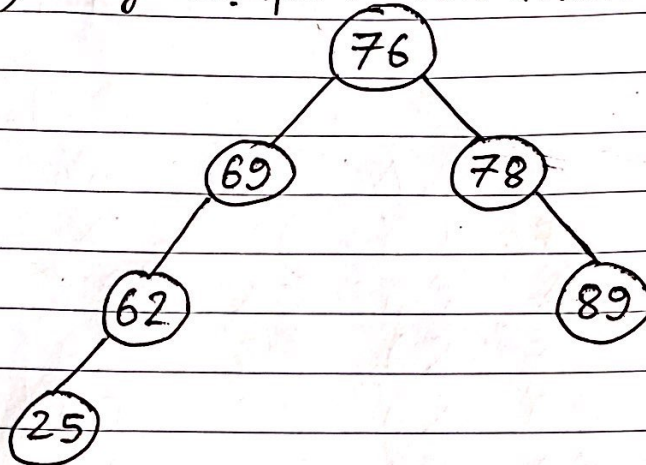
N_0	Min	A1	A2	A3	A4	A5	A6
0	X	76	69	78	62	(25)	89
1	25	25	69	78	(62)	76	89
2	62	25	62	78	(69)	76	89
3	69	25	62	69	78	(76)	89
4	76	25	62	69	76	(78)	89
5	78	25	62	69	76	78	89

Partition Sort:

Step

Chốt → [76] 69 (78) 62 (25) 89 —— 1

[76] 69 25 (62) 78 89 —— 2

62 69 25 [76] 78 89 —— 3

2)

Thao tác	Stack (N=4)				Top
	A1	A2	A3	A4	
1	76				1
1	76	69			2
1	76	69	78		3
0	76	69			2
1	76	69	62		3
0	76	69			2
1	76	69	25		3

3) Cây nhị phân tìm kiếm từ dãy K:
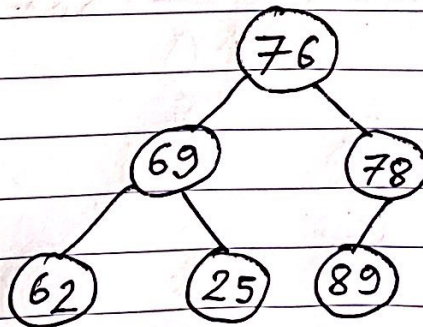

a) Duyệt trước:

76 69 62 25 78 89
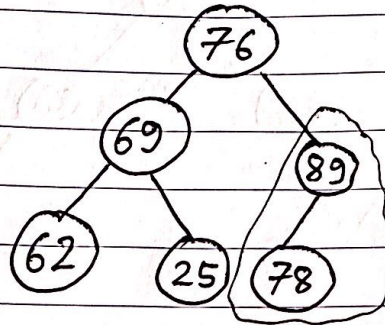
b) Duyệt giữa:

25 62 69 76 78 89

c) Duyệt sau:

25 62 69 89 78 76
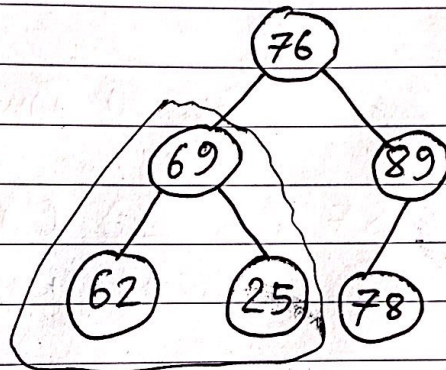
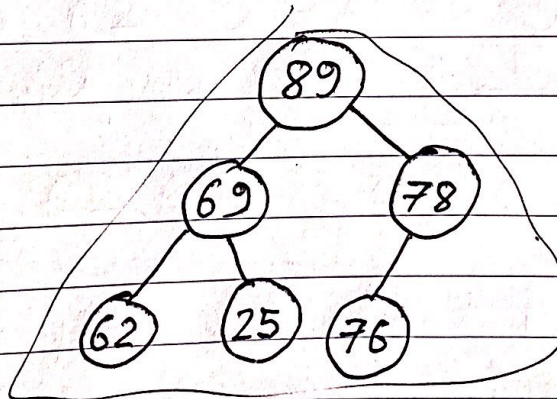d) Cây nhị phân lưu trữ dãy K:

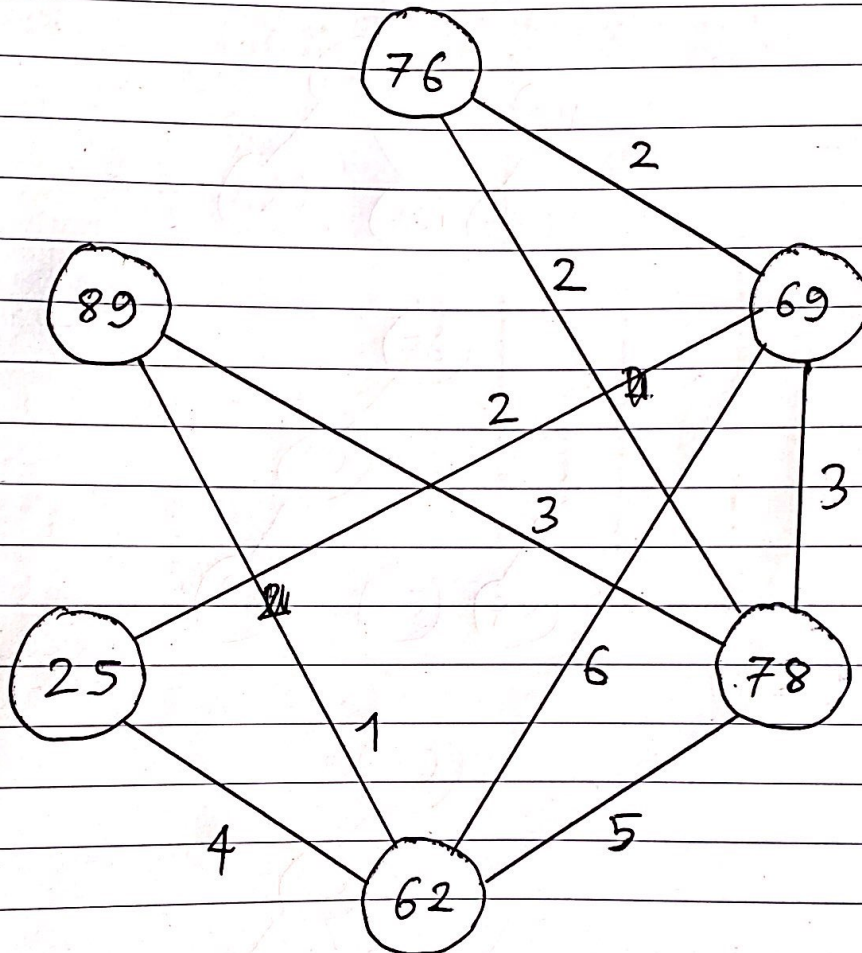Tạo đống:

Step

1

2

3

Xong

4)

a) Đồ thị G:

b) Duyệt G theo chiều sâu bắt đầu từ 25:

25, 62, 89, 78, 69, 76

c) Duyệt G theo chiều rộng bắt đầu từ 25:

25, 62, 69, 89, 78, 76

Đào Văn Quyết - 2019 3316

d) Dijkstra:

Bước	76			69			78			62			25			89		
	d	p	k	d	p	k	d	p	k	d	p	k	d	p	k	d	p	k
Begin	∞	-	F	∞	-	F	∞	-	F	∞	-	F	0	-	F	∞	-	F
1	∞	-	F	2	25	F	∞	-	F	4	25	F	0	-	T	∞	-	F
2	4	69	F	2	25	T	5	69	F	4	25	F				∞	-	F
3	4	69	T				5	69	F	4	25	F				∞	-	F
4							5	69	F	4	25	T				5	62	F
5							5	69	T							5	62	F
6																5	62	T