

$$A = \{58, 22, 76, 11, 18, 54, 7, 9, 21, 8\}$$

⊗ Sắp xếp chèn :

STT	Số so sánh	58	22*	76	11	18	54	7	9	21	8
1	22	22	58	76*	11	18	54	7	9	21	8
2	76	22	58	76	11*	18	54	7	9	21	8
3	11	11	22	58	76	18*	54	7	9	21	8
4	18	11	18	22	58	76	54*	7	9	21	8
5	54	11	18	22	54	58	76	7*	9	21	8
6	7	7	11	18	22	54	58	76	9*	21	8
7	9	7	9	11	18	22	54	58	76	21*	8
8	21	7	9	11	18	21	22	54	58	76	8*
9	8	7	8	9	11	18	21	22	54	58	76

⊗ Sắp xếp chọn :

STT	min	58	22	76	11	18	54	7	9	21	8
1	7	7	22	76	11	18	54	58	9	21	8*
2	8	7	8	76	11	18	54	58	9	21	22
3	9	7	8	9	11*	18	54	58	76	21	22
4	11	7	8	9	11	18*	54	58	76	21	22
5	18	7	8	9	11	18	54	58	76	21*	22
6	21	7	8	9	11	18	21	58	76	54	22*
7	22	7	8	9	11	18	21	22	76	54*	58
8	54	7	8	9	11	18	21	22	54	76	58*
9	58	7	8	9	11	18	21	22	54	58	76



Thứ

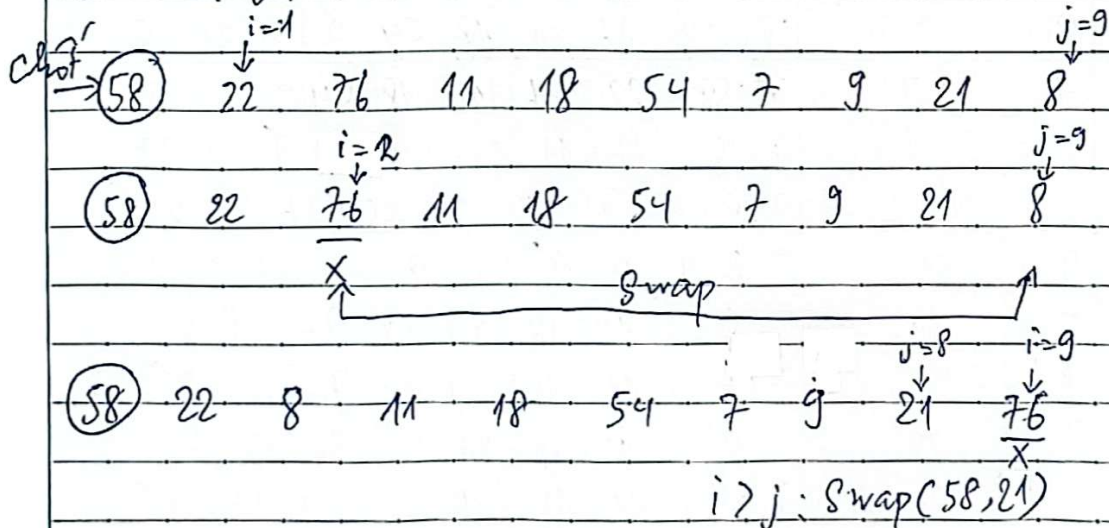
Ngày

No.

* Sắp xếp mai bớt:

- 1: 58 22 76 11 18 54 7 9 21 8
22 58 11 18 54 7 9 21 8 76
- 2: 22 11 18 54 7 9 21 8 58 76
- 3: 11 18 22 7 9 21 8 54 58 76
- 4: 11 18 7 9 21 8 22 54 58 76
- 5: 11 7 9 18 8 21 22 54 58 76
- 6: 7 9 11 8 18 21 22 54 58 76
- 7: 7 9 8 11 18 21 22 54 58 76
- 8: 7 8 9 11 18 21 22 54 58 76

* Quick sort:



21 22 8 11 18 54 7 9 58 76

0

1

10

12

20



+, Xét 1: chốt $i=1$ $j=7$
21 22 8 11 18 54 7 9
X
swap

(21) 9 8 11 18 54 7 22
 $i=5$ $j=6$
X
swap

(21) 9 8 11 18 7 54 22
 $i=5$ $j=6$
X

$i > j$: swap (7, 21)

7 9 8 11 18 21 54 22
1.1 1.2

+, Xét 1.1.

chốt $i=1$ $j=0$
(7) 9 8 11 18
X

chốt $i=2$ $j=1$
(9) 8 11 18
X

$i > j$: swap (9, 8) : 8 9 11 18

1.1 → 7 8 9 11 18

+, Xét 1.2:

chốt $i=1=j$
(54) 22 1.2 → 22 54
X

1+2 → 7 8 9 11 18 21 22 54 58 78

KOKUYO



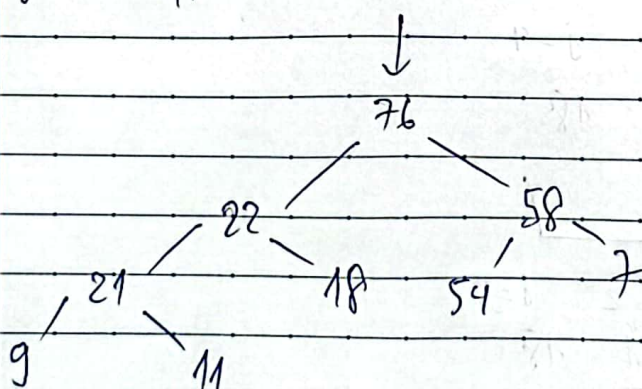
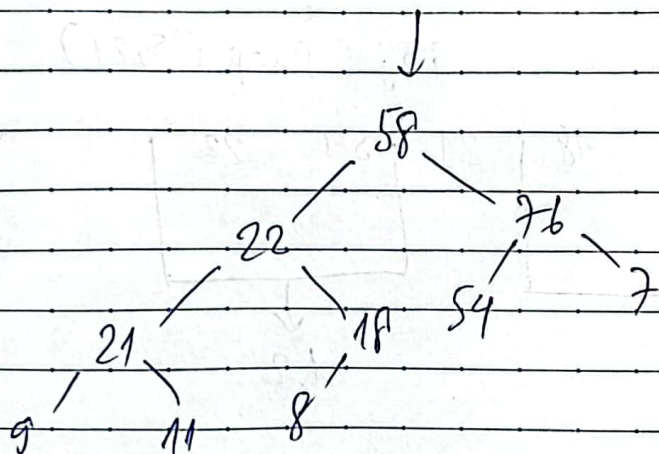
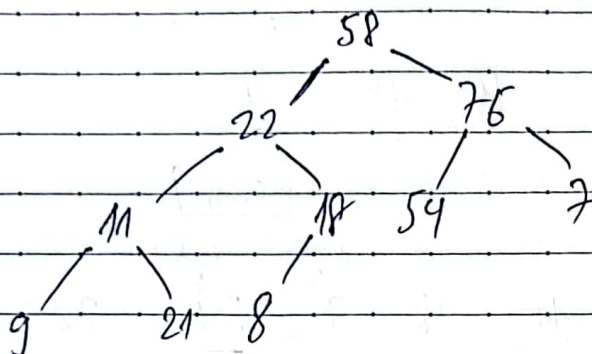
Thứ

Ngày

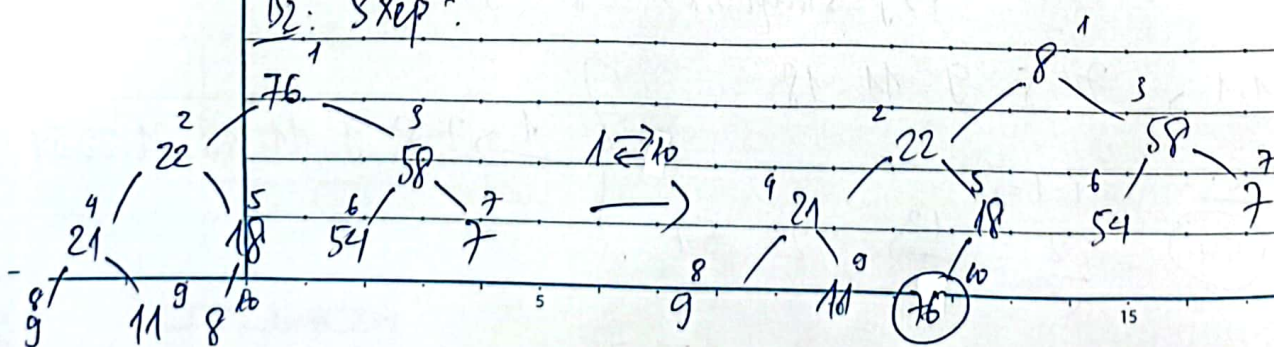
No.

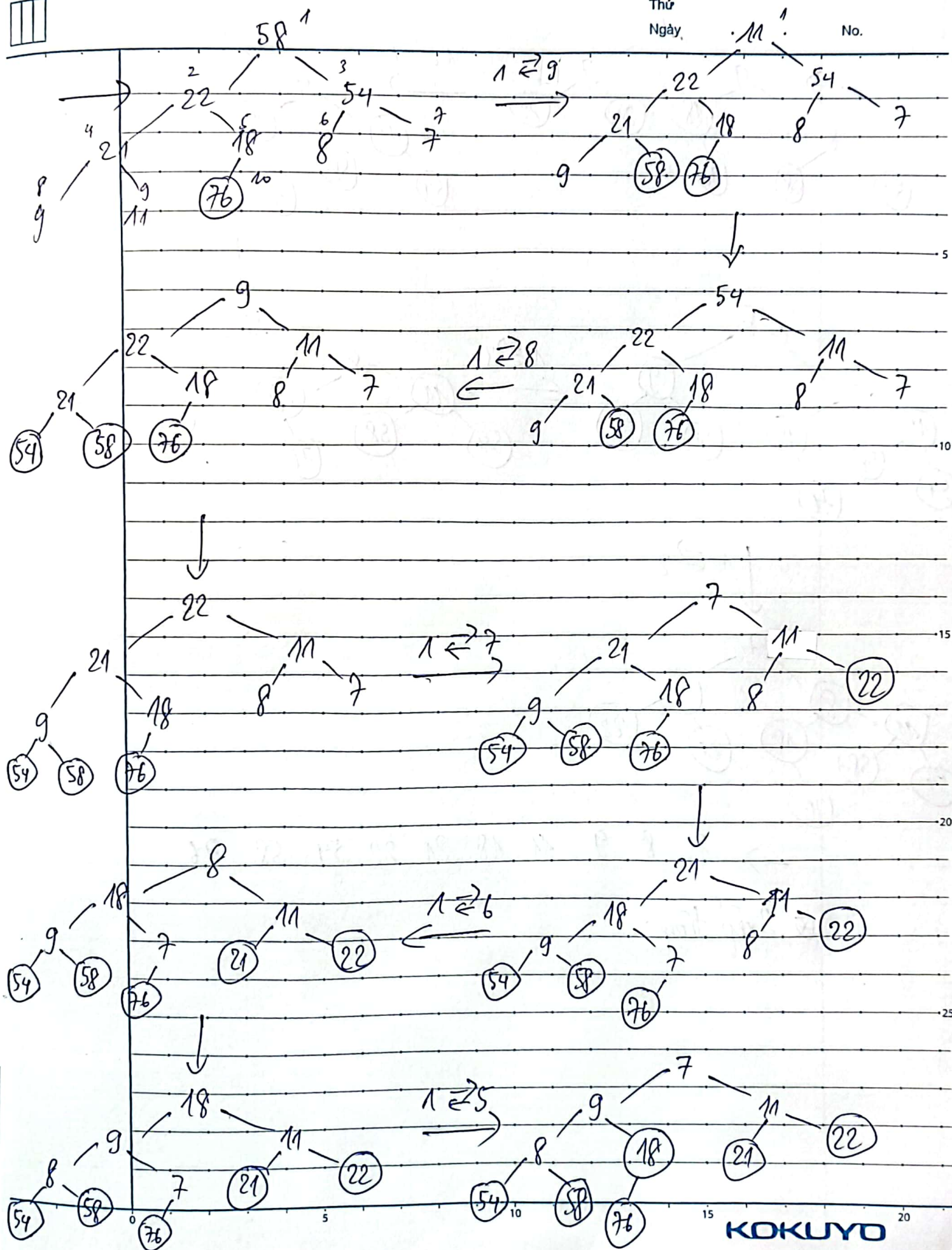
⊗ Sắp xếp ưu tiên :

B₁: Tạo cây ưu tiên :



B₂: Sắp xếp :



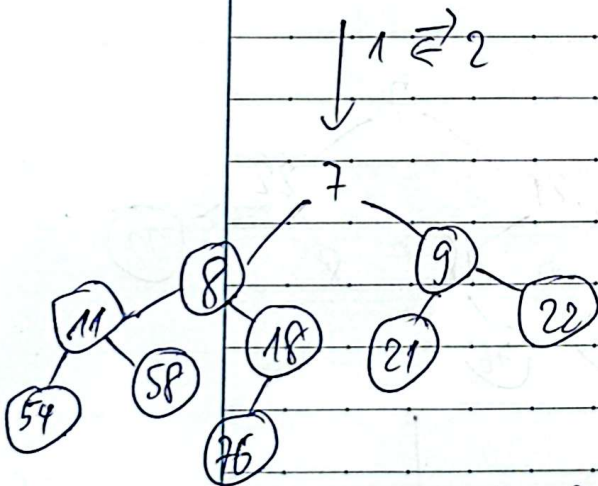
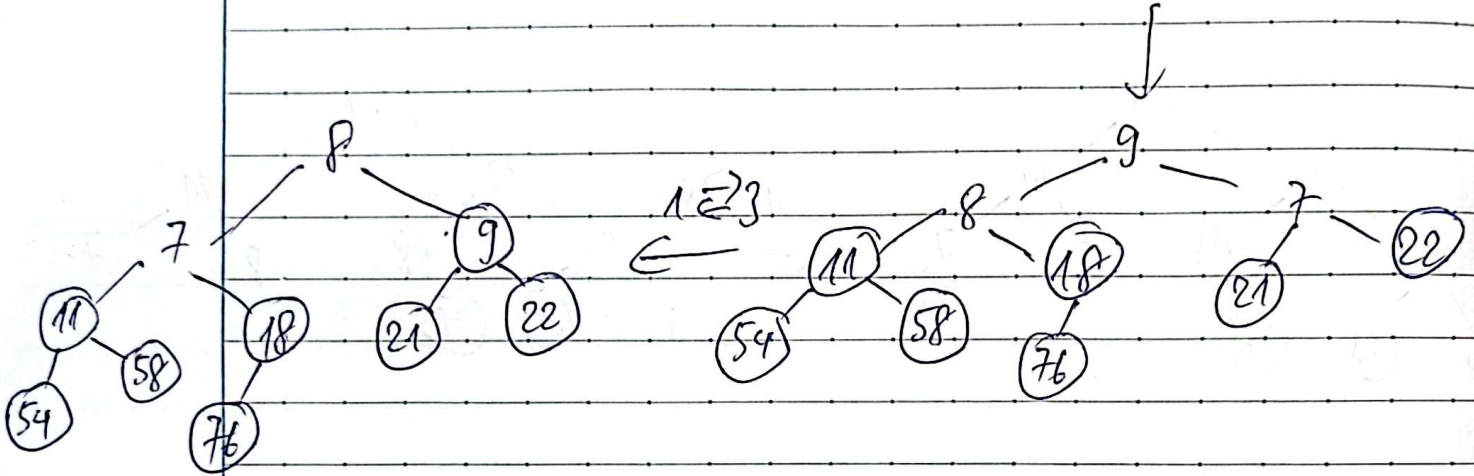
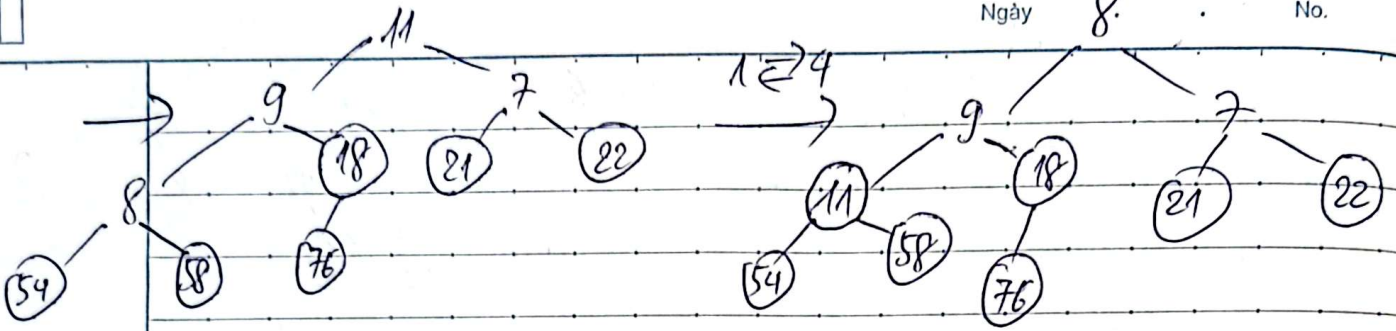




Thứ
Ngày

8.

No.



→ 7 8 9 11 18 21 22 54 58 76

⊗ Sắp xếp từ:

mid = 4

58 22 76 11 18 54 7 9 21 8⁹

mid = 9/2 = 4

58 22 76 11 18

54 7 9 21 8

58 22 76

11 18

54 7 9

21 8

58 22 76

11 18

54 7 9

21 8

58 22

54 7

→ 22 58 76 11 18

7 54 9 8 21

→ 11 18 22 58 76

7 8 9 21 54

7 8 9 11 18 21 22 54 58 76