

Tugas

Date: _____

1. Insertion sort

Step 0 : 25 7 9 13 3

Step 1 : $\boxed{25} \mid 7 \mid 9 \mid 13 \mid 3$
 (7 is inserted before 25)

Step 2 : $\boxed{7} \mid 25 \mid 9 \mid 13 \mid 3$
 (9 is inserted before 25)

Step 3 : $\boxed{7} \mid 9 \mid 13 \mid 25 \mid 3$
 (25 is inserted after 13)

Step 4 : $\boxed{3} \mid 7 \mid 9 \mid 13 \mid 25$
 (3 is inserted before 7)

2. Bubble Sort

$i=1$ 25 7 9 $\boxed{13 \ 3}$ J: 1

25 7 $\boxed{9 \ 3}$ 13 J: 3

25 $\boxed{7 \ 3}$ 9 13 J: 2

$\boxed{25 \ 3}$ 7 9 13 J: 4

$i=2$ 3 25 7 $\boxed{9 \ 13}$ J: 4

3 25 $\boxed{7 \ 9}$ 13 J: 3

3 $\boxed{25 \ 7}$ 9 13 J: 2

$i=3$ 3 7 25 $\boxed{9 \ 13}$ J: 4

3 7 25 9 13 J: 3

3 7 9 25 13 J: 9

akhir

3 7 9 13 25

3) Selection Sort

25 7 9 13 13

3 7 9 13 25

↑

3 7 9 13 25

↑

3 7 9 13 25

↑

3 7 9 13 25

4) Shell Sort

0 1 2 3 4
25 7 9 13 3

Jarak 2: 3 7 9 13 25

Jarak 1: 3 7 9 13 25

1 1 1 1 1