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Kelas : 2A

Mata Kuliah : Algoritma Dan Struktur Data 2.

1. Insertionsort

step 0

25	7	9	13	3
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7 ↖

step 1

7	25	9	13	3
---	----	---	----	---

x ← 9

step 2

7	9	25	13	3
---	---	----	----	---

x ← 13

step 3

7	9	13	25	3
---	---	----	----	---

3 ← 3 ← 3 ← 3

step 4

3	7	9	13	25
---	---	---	----	----

2. Bubblesort

25	7	9	13	3
----	---	---	----	---

i = 1 j = 4

25	7	9	13	3
----	---	---	----	---

j = 3

25	7	9	3	13
----	---	---	---	----

j = 2

25	7	3	9	13
----	---	---	---	----

j = 1

25	3	7	9	13
----	---	---	---	----

i = 2 j = 3

3	25	7	9	13
---	----	---	---	----

j = 2

3	25	7	9	13
---	----	---	---	----

j = 1

3	25	7	9	13
---	----	---	---	----

i = 3 j = 2

3	7	25	9	13
---	---	----	---	----

j = 1

3	7	25	9	13
---	---	----	---	----

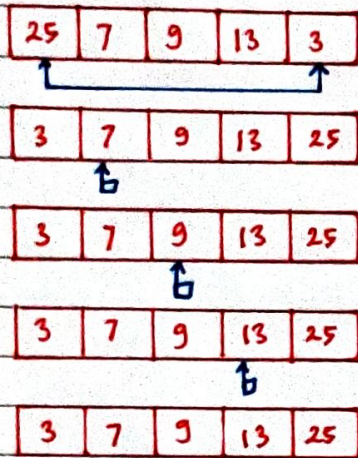
i = 4 j = 4

3	7	9	25	13
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Akhir

3	7	9	13	25
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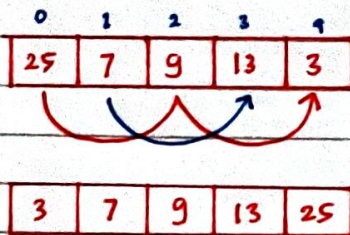
3. Selection sort



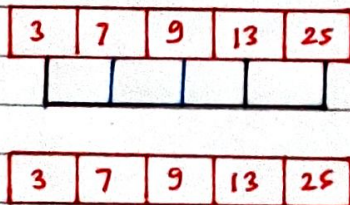
4. Shellsort

$$n = 5$$

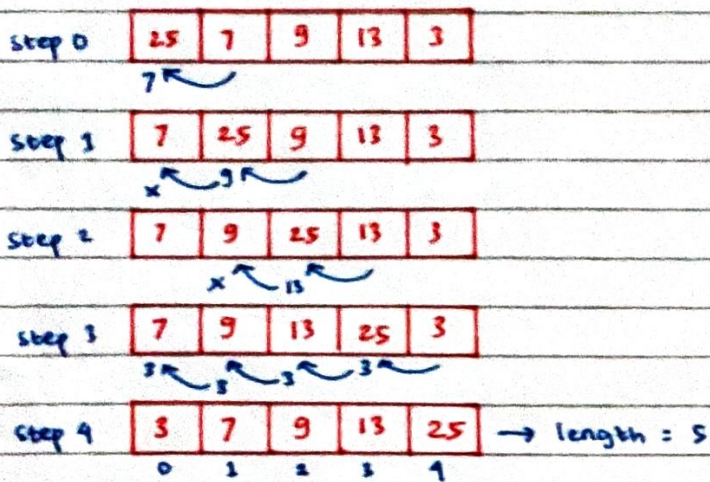
$$\text{jarak} = 5/2 = 2$$



$$\text{jarak} = 2/2 = 1$$



7. Sorting dan Searching



car_i = 13;

i = 0; 0 < 5 → T

car_i == A[0] ⇒ 13 == 3 → False (stop)

i++; i = 0 + 1 = 1; 1 < 5 → T

car_i == A[1] ⇒ 13 == 7 → False (stop)

i++; i = 1 + 1 = 2; 2 < 5 → T

car_i == A[2] ⇒ 13 == 9 → False (stop)

i++; i = 2 + 1 = 3; 3 < 5 → T

car_i == A[3] ⇒ 13 == 13 → True (Data ditemukan)