1. The first sorting :
gap = array.length / 2 = 5

9 6 5 8 0 7 4 3 1 2

9 > 7 swap

6 > 4 swap

5 > 3 swap

8 > 1 swap

0 < 2 no swap

7 4 3 1 0 9 6 5 8 2
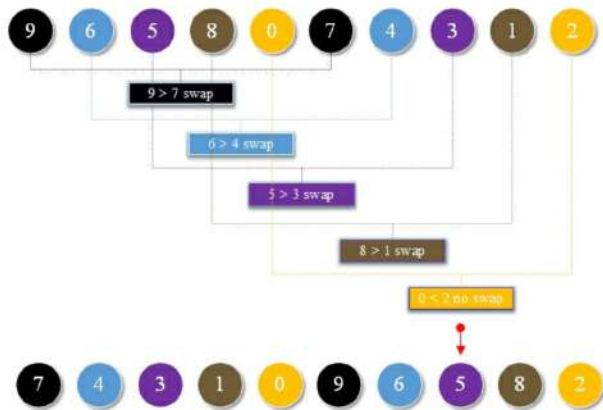
2. The second sorting :
gap = 5 / 2 = 2

7 4 3 1 0 9 6 5 8 2

Swap and sorting 0 3 6 7 8

Swap and sorting 1 2 4 5 9

0 1 3 2 6 4 7 5 8 9
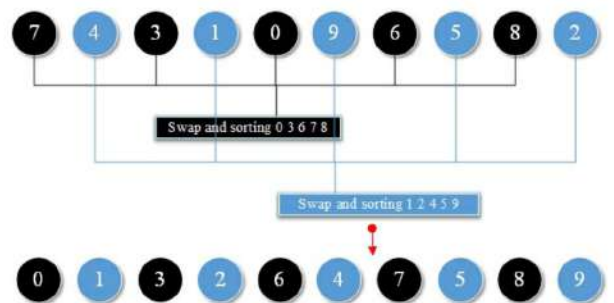
3. The third sorting :

gap = 2 / 2 = 1

| 0 | 1 | 3 | 2 | 6 | 4 | 7 | 5 | 8 | 9 |

Swap and sorting

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |