

Insertion Sort

- random

Iteration 0	[C, D, Y, X, A, Z, B]
Iteration 1	[C, D, Y, X, A, Z, B]
Iteration 2	[C, D, Y, X, A, Z, B]
Iteration 3	[C, D, Y, X, A, Z, B]
Iteration 4	[C, D, X, Y, A, Z, B]
Iteration 5	[A, C, D, X, Y, Z, B]
Iteration 6	[A, C, D, X, Y, Z, B]
Iteration 7	[A, B, C, D, X, Y, Z]

- sorted

Iteration 0	[A, B, C, D, X, Y, Z]
Iteration 1	[A, B, C, D, X, Y, Z]
Iteration 2	[A, B, C, D, X, Y, Z]
Iteration 3	[A, B, C, D, X, Y, Z]
Iteration 4	[A, B, C, D, X, Y, Z]
Iteration 5	[A, B, C, D, X, Y, Z]
Iteration 6	[A, B, C, D, X, Y, Z]
Iteration 7	[A, B, C, D, X, Y, Z]

- Reversed

Iteration 0	[Z, Y, X, D, C, B, A]
Iteration 1	[Z, Y, X, D, C, B, A]
Iteration 2	[Y, Z, X, D, C, B, A]
Iteration 3	[X, Y, Z, D, C, B, A]

Iteration 4	[D, X, Y, Z, C, B, A]
Iteration 5	[C, D, X, Y, Z, B, A]
Iteration 6	[B, C, D, X, Y, Z, A]
Iteration 7	[A, B, C, D, X, Y, Z]

QuickSort

- random

Iteration 0	[C, D, Y, X, A, Z, B]
Iteration 1	[A, D, Y, X, C, Z, B]
Iteration 2	[A, C, B, D, Y, X, Z]
Iteration 3	[A, B, C, D, Y, X, Z]
Iteration 4	[A, B, C, D, X, Y, Z]
Iteration 5	[A, B, C, D, X, Y, Z]

- Sorted

Iteration 0	[A, B, C, D, X, Y, Z]
Iteration 1	[A, B, C, D, X, Y, Z]
Iteration 2	[A, B, C, D, X, Y, Z]
Iteration 3	[A, B, C, D, X, Y, Z]
Iteration 4	[A, B, C, D, X, Y, Z]
Iteration 5	[A, B, C, D, X, Y, Z]
Iteration 6	[A, B, C, D, X, Y, Z]
Iteration 7	[A, B, C, D, X, Y, Z]

- Reversed

Iteration 0	[Z, Y, X, D, C, B, A]
Iteration 1	[Y, X, D, C, B, A, Z]
Iteration 2	[X, D, C, B, A, Y, Z]
Iteration 3	[D, C, B, A, X, Y, Z]
Iteration 4	[C, B, A, D, X, Y, Z]
Iteration 5	[B, A, C, D, X, Y, Z]
Iteration 6	[A, B, C, D, X, Y, Z]
Iteration 7	[A, B, C, D, X, Y, Z]

TimSort

- Random

Iteration 0	[C, D, Y, X, A, Z, B]
Iteration 1	[C, D, X, Y, A, Z, B]
Iteration 2	[C, D, X, Y, A, Z, B]
Iteration 3	[A, C, D, X, Y, Z, B]
Iteration 4	[A, B, C, D, X, Y, Z]
Iteration 5	[A, B, C, D, X, Y, Z]

- Sorted

Iteration 0	[A, B, C, D, X, Y, Z]
Iteration 1	[A, B, C, D, X, Y, Z]
Iteration 2	[A, B, C, D, X, Y, Z]
Iteration 3	[A, B, C, D, X, Y, Z]
Iteration 4	[A, B, C, D, X, Y, Z]

- Reversed

Iteration 0	[Z, Y, X, D, C, B, A]
Iteration 1	[Y, Z, D, X, B, C, A]
Iteration 2	[D, X, Y, Z, B, C, A]
Iteration 3	[B, C, D, X, Y, Z, A]
Iteration 4	[A, B, C, D, X, Y, Z]
Iteration 5	[A, B, C, D, X, Y, Z]