sorting algorithms

advantages and disadvantages

# Bubble Sort

Bubble sorting algorithm is one of the most common sorting algorithms. It works by repeatedly swapping adjacent elements that weren’t in order until the list of items is in sequence. (Shown in Appendix A) A good way to explain bubble that a found “You can imagine that on every step big bubbles float to the surface and stay there. At the step, when no bubble moves, sorting stops” (*Bubble Sort*. Retrieved from algolist, 2009).

The main advantage of bubble sort is easy to implement and easy to understand. Therefore it’s mainly suitable for teaching but not really for real-life applications. The disadvantage bubble sort is the fact that it can’t deal with list containing huge numbers of items this is due to it requires n -squared processing steps for every n number of elements to be sorted.

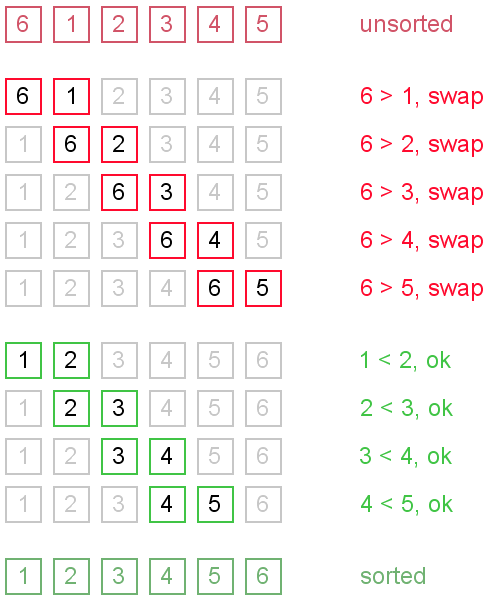
# References

algolist. (2009). *Bubble Sort*. Retrieved from algolist: http://www.algolist.net/Algorithms/Sorting/Bubble\_sort

Wandy, J. (2018, June 27). *The Advantages & Disadvantages of Sorting Algorithms*. Retrieved from sciencing: https://sciencing.com/the-advantages-disadvantages-of-sorting-algorithms-12749529.html

# Appendix

## Appendix A – Bubble Sort



*Bubble Sort*. Retrieved from algolist: http://www.algolist.net/Algorithms/Sorting/Bubble\_sort