

# BubbleSort

Stanley Yu

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**Data:** An array of numbers.

**Result:** An array sorted in ascending order.

initialization;

**for**  $i=n$  *down to index 2* **do**

```
    for  $j=1$  to  $i-1$  do
        if Array[j] greater than Array[j+1] then
            | Swap Array[j] and Array[j+1]
        end
    end
end
```

**Algorithm 1:** Pseudocode for Bubble Sort