

Masalah : Mengurutkan dokumen-dokumen sesuai nomornya

## Algoritma I

1 ~~Look at~~ Pick up documents

2 Look at top document's number

3 Look at next document's number

4 If document's number  $>$  top document's number

5 Move document on top

6 Go back to line 3

7 Else if document's number  $<$  top document's number

8 Go back to line 3

9. Else if there is no document

10. | If there is a top document

11 Put top document on pile

12 Go back to line 2

13 Else

14. Finished

## Algoritma II

1

Pick up documents

2

Make room for piles of each and every document

3

Look at top document's number

4.

Put document ~~number~~ on the document's number pile

5.

If there are no documents left

6

Collect all the documents into one pile

7

Finished

8

Else

9

Go back to line 3

Algoritma I :  $O(n^2)$

Algoritma II :  $O(n)$

