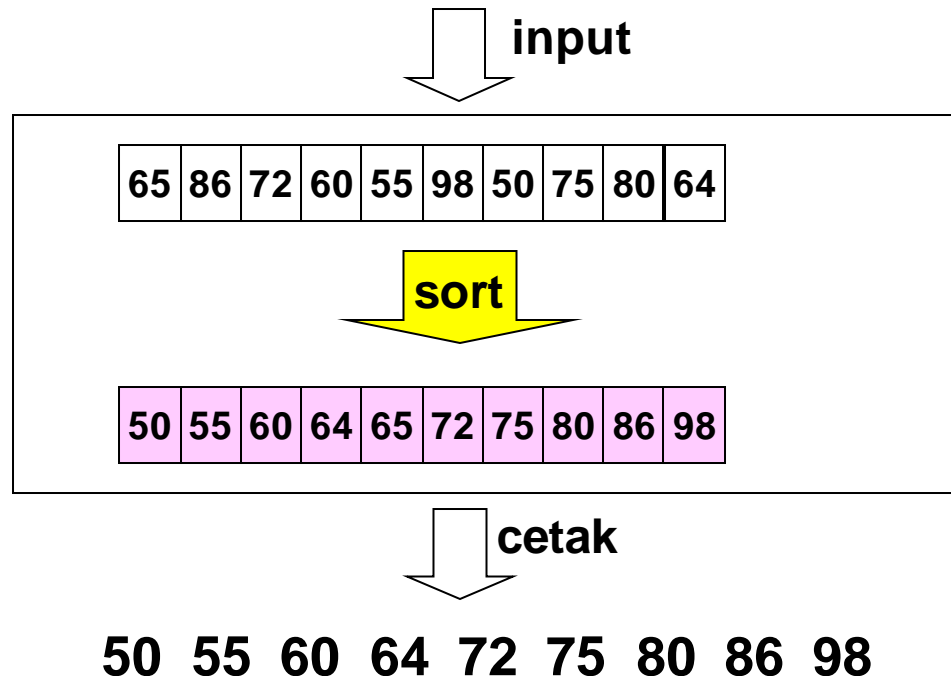**07**

Introduction to **Algorithm**

Algoritma
sorting

Persoalan : Inputkan 10 buah bilangan nilai sembarang, kemudian cetak bilangan-bilangan tersbut dengan urutan : urut nilai menaik

65, 86, 72, 60, 55, 98, 50, 75, 80, 64

input

| 65 | 86 | 72 | 60 | 55 | 98 | 50 | 75 | 80 | 64 |

sort

| 50 | 55 | 60 | 64 | 65 | 72 | 75 | 80 | 86 | 98 |

cetak

50 55 60 64 72 75 80 86 98

```cpp
#include<iostream.h>
#define n 10
void main()
{ int A[n];
  int I, K, X;
  for(I=0; I<=9; I++)
     { cin >> A[I];
     }
  cout << "\n Sebelum disort : ";
  for(I=0; I<=9; I++)
     { cout << A[I] << "  ";
     }

  for(K=0; K <= n-2; K++)
     { for(I=0; I <= n-2 - K; I++)
          { if(A[I] > A[I+1])
              { X = A[I];
                A[I] = A[I+1];
                A[I+1] = X;
              }
          }
     }

 cout << "\n\n Sesudah disort : ";
 for(I=0; I<=9; I++)
          { cout << A[I] << "  ";
     }
}
```

selesai

Tahap-7