

Bubble Sort

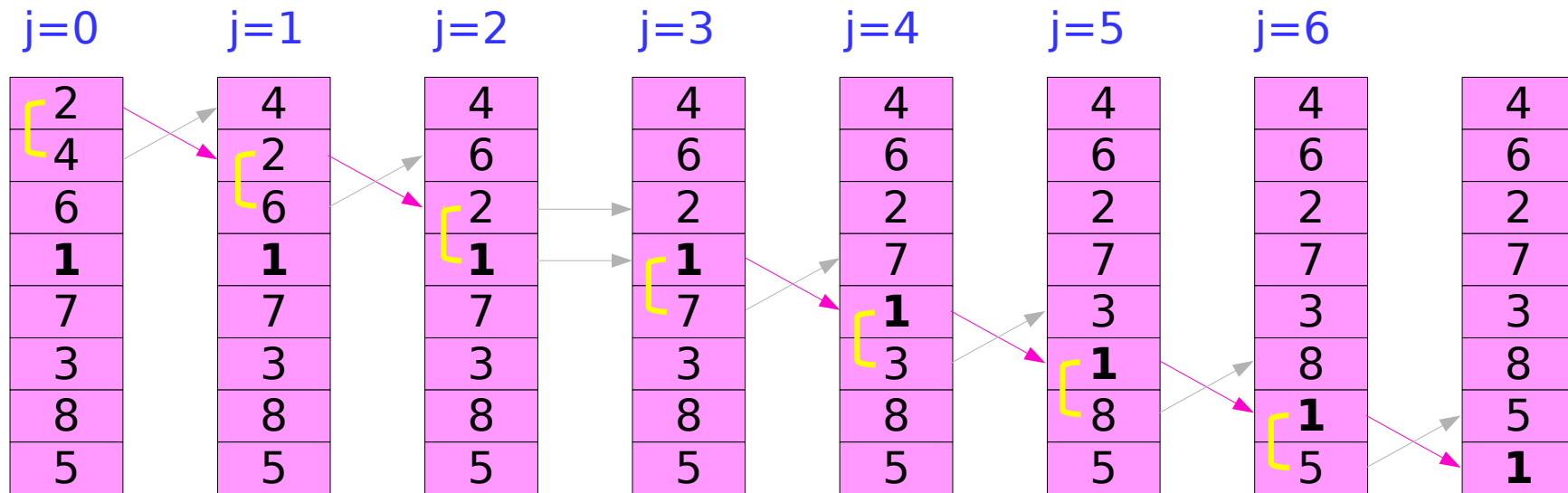
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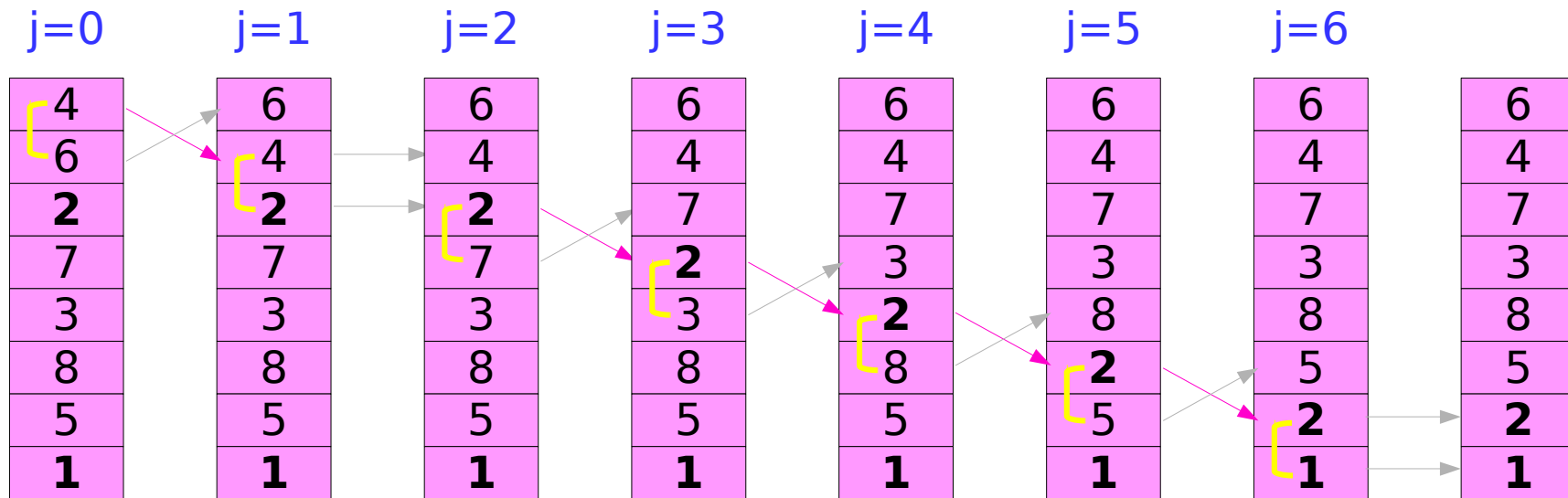
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DbubbleSort() : pass 1 (p=1)



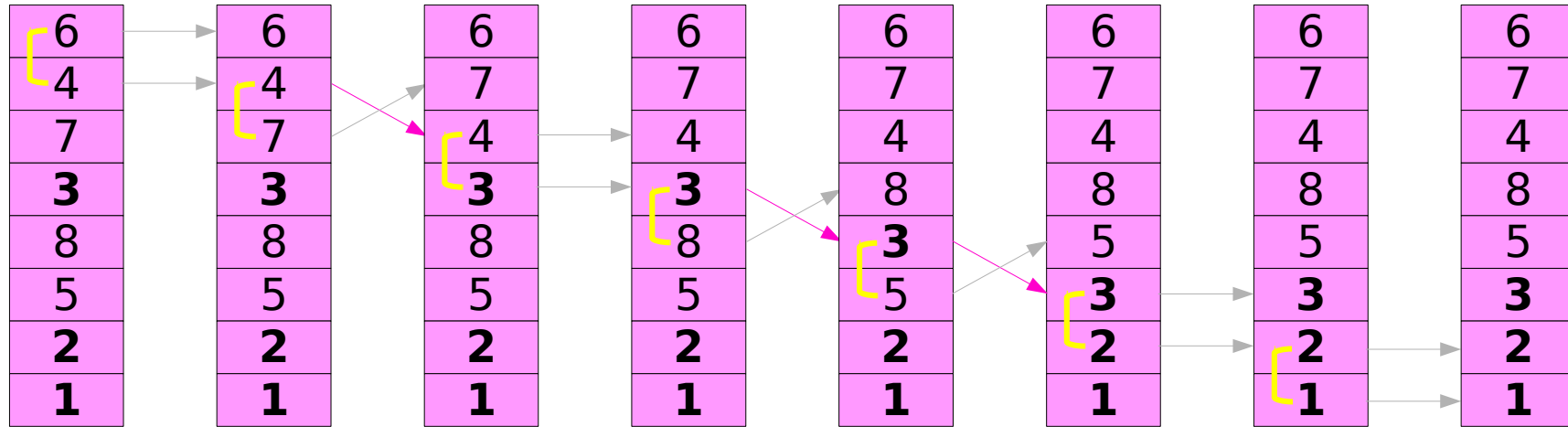
```
for (p=1; p< size; ++p) {  
  for (j=0; j< size-1; ++j) {  
    if ( a[j] < a[j+1] ) {  
      tmp  = a[j];  
      a[j] = a[j+1];  
      a[j+1] = tmp;  
    }  
  }  
}
```

DbubbleSort() : pass 2 (p=2)



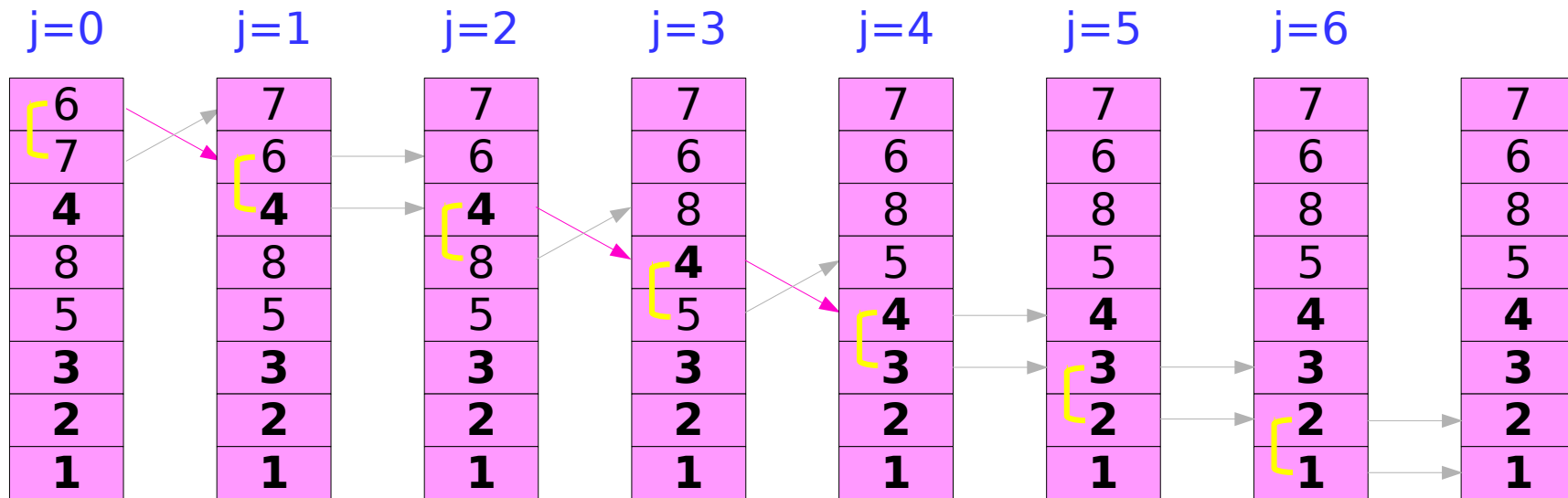
```
for (p=1; p< size; ++p) {  
  for (j=0; j< size-1; ++j) {  
    if ( a[j] < a[j+1] ) {  
      tmp  = a[j];  
      a[j] = a[j+1];  
      a[j+1] = tmp;  
    }  
  }  
}
```

DbubbleSort() : pass 3 (p=3)



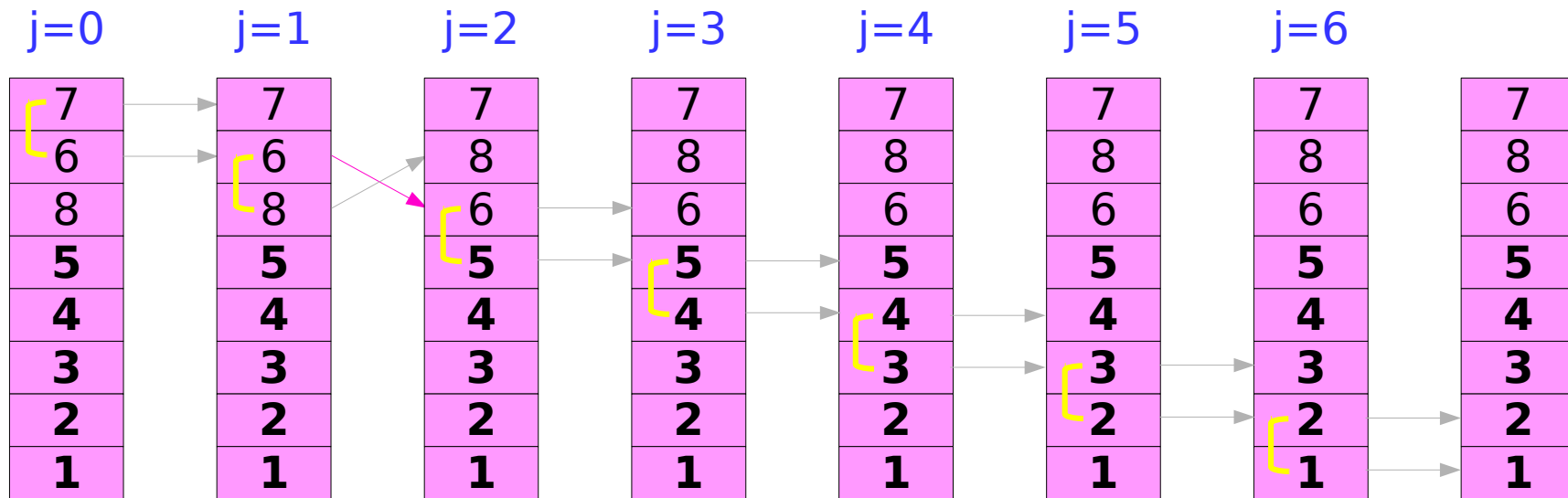
```
for (p=1; p< size; ++p) {  
  for (j=0; j< size-1; ++j) {  
    if ( a[j] < a[j+1] ) {  
      tmp  = a[j];  
      a[j] = a[j+1];  
      a[j+1] = tmp;  
    }  
  }  
}
```

DbubbleSort() : pass 4 (p=4)



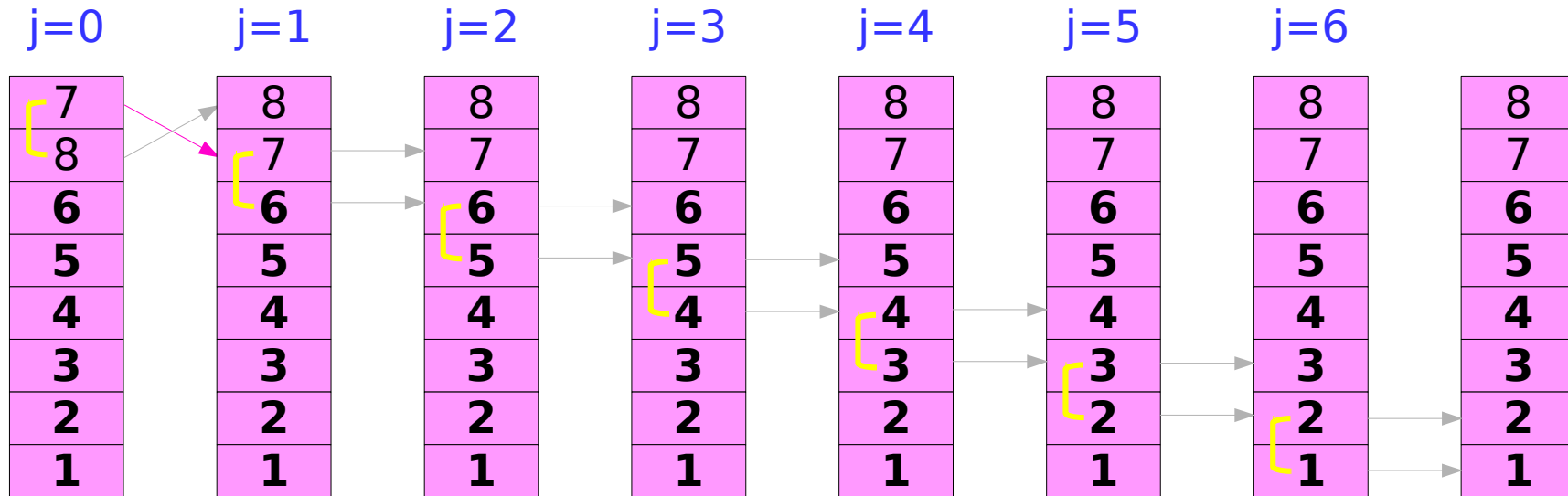
```
for (p=1; p< size; ++p) {  
  for (j=0; j< size-1; ++j) {  
    if ( a[j] < a[j+1] ) {  
      tmp  = a[j];  
      a[j] = a[j+1];  
      a[j+1] = tmp;  
    }  
  }  
}
```

DbubbleSort() : pass 5 (p=5)



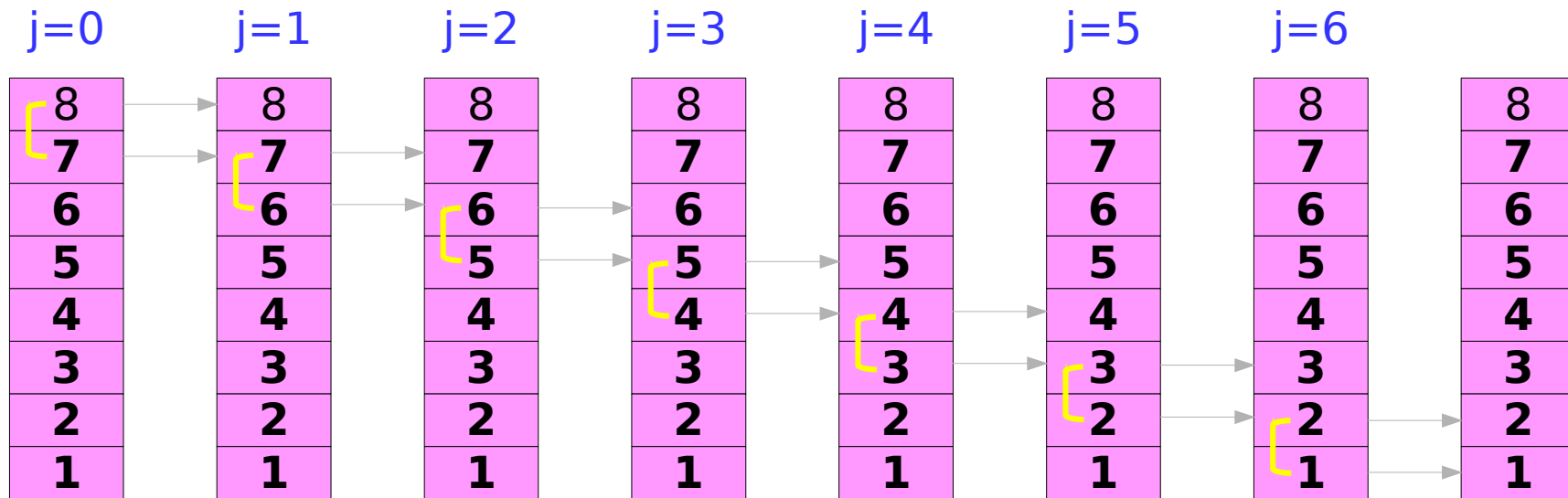
```
for (p=1; p< size; ++p) {  
  for (j=0; j< size-1; ++j) {  
    if ( a[j] < a[j+1] ) {  
      tmp  = a[j];  
      a[j]  = a[j+1];  
      a[j+1] = tmp;  
    }  
  }  
}
```

DbubbleSort() : pass 6 (p=6)



```
for (p=1; p< size; ++p) {  
  for (j=0; j< size-1; ++j) {  
    if ( a[j] < a[j+1] ) {  
      tmp  = a[j];  
      a[j]  = a[j+1];  
      a[j+1] = tmp;  
    }  
  }  
}
```


DbubbleSort() : pass 7 (p=7)



```
for (p=1; p< size; ++p) {  
  for (j=0; j< size-1; ++j) {  
    if ( a[j] < a[j+1] ) {  
      tmp  = a[j];  
      a[j]  = a[j+1];  
      a[j+1] = tmp;  
    }  
  }  
}
```

References

- [1] Essential C, Nick Parlante
- [2] Efficient C Programming, Mark A. Weiss
- [3] C A Reference Manual, Samuel P. Harbison & Guy L. Steele Jr.
- [4] C Language Express, I. K. Chun
- [5] cprogramex.wordpress.com