**Bubble Sort**

8.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Pass** | **Index 0** | **Index 1** | **Index 2** | **Index 3** | **Index 4** |
| Original | **3** | **8** | **3** | **2** | **7** |
| 1 | **3** | **3** | **2** | **7** | **8** |
| 2 | **3** | **2** | **3** | **7** | **8** |
| 3 | **2** | **3** | **3** | **7** | **8** |

9.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Pass** | **Index 0** | **Index 1** | **Index 2** | **Index 3** | **Index 4** | **Index 5** | **Index 6** |
| Original | **2** | **9** | **4** | **6** | **1** | **7** | **8** |
| 1 | **2** | **4** | **6** | **1** | **7** | **8** | **9** |
| 2 | **1** | **2** | **4** | **6** | **7** | **8** | **9** |

11. O(n^2)