| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | change |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 6 | 8 | 9 | 10 | 12 | 4 | 13 | N/A |
| 2 | 6 | 8 | 9 | 10 | 12 | 4 | 13 | Check |
| 2 | 6 | 8 | 9 | 10 | 12 | 4 | 13 | Check |
| 2 | 6 | 8 | 9 | 10 | 12 | 4 | 13 | Check |
| 2 | 6 | 8 | 9 | 10 | 12 | 4 | 13 | Check |
| 2 | 6 | 8 | 9 | 10 | 12 | 4 | 13 | Check |
| 2 | 6 | 8 | 9 | 10 | 12 | 4 | 13 | Check |
| 2 | 6 | 8 | 9 | 10 | 4 | 12 | 13 | Swap |
| 2 | 6 | 8 | 9 | 10 | 4 | 12 | 13 | Check |
| 2 | 6 | 8 | 9 | 10 | 4 | 12 | 13 | Check |
| 2 | 6 | 8 | 9 | 10 | 4 | 12 | 13 | Check |
| 2 | 6 | 8 | 9 | 10 | 4 | 12 | 13 | Check |
| 2 | 6 | 8 | 9 | 10 | 4 | 12 | 13 | Check |
| 2 | 6 | 8 | 9 | 10 | 4 | 12 | 13 | Check |
| 2 | 6 | 8 | 9 | 4 | 10 | 12 | 13 | Swap |
| 2 | 6 | 8 | 9 | 4 | 10 | 12 | 13 | Check |
| 2 | 6 | 8 | 9 | 4 | 10 | 12 | 13 | Check |
| 2 | 6 | 8 | 9 | 4 | 10 | 12 | 13 | Check |
| 2 | 6 | 8 | 9 | 4 | 10 | 12 | 13 | Check |
| 2 | 6 | 8 | 9 | 4 | 10 | 12 | 13 | Check |
| 2 | 6 | 8 | 9 | 4 | 10 | 12 | 13 | Check |
| 2 | 6 | 8 | 4 | 9 | 10 | 12 | 13 | Swap |
| 2 | 6 | 8 | 4 | 9 | 10 | 12 | 13 | Check |
| 2 | 6 | 8 | 4 | 9 | 10 | 12 | 13 | Check |
| 2 | 6 | 8 | 4 | 9 | 10 | 12 | 13 | Check |
| 2 | 6 | 8 | 4 | 9 | 10 | 12 | 13 | Check |
| 2 | 6 | 8 | 4 | 9 | 10 | 12 | 13 | Check |
| 2 | 6 | 8 | 4 | 9 | 10 | 12 | 13 | Check |
| 2 | 6 | 4 | 8 | 9 | 10 | 12 | 13 | Swap |
| 2 | 6 | 4 | 8 | 9 | 10 | 12 | 13 | Check |
| 2 | 6 | 4 | 8 | 9 | 10 | 12 | 13 | Check |
| 2 | 6 | 4 | 8 | 9 | 10 | 12 | 13 | Check |
| 2 | 6 | 4 | 8 | 9 | 10 | 12 | 13 | Check |
| 2 | 6 | 4 | 8 | 9 | 10 | 12 | 13 | Check |
| 2 | 6 | 4 | 8 | 9 | 10 | 12 | 13 | Check |
| 2 | 4 | 6 | 8 | 9 | 10 | 12 | 13 | Swap |
| 2 | 4 | 6 | 8 | 9 | 10 | 12 | 13 | Check |
| 2 | 4 | 6 | 8 | 9 | 10 | 12 | 13 | Check |
| 2 | 4 | 6 | 8 | 9 | 10 | 12 | 13 | Check |
| 2 | 4 | 6 | 8 | 9 | 10 | 12 | 13 | Check |
| 2 | 4 | 6 | 8 | 9 | 10 | 12 | 13 | Check |
| 2 | 4 | 6 | 8 | 9 | 10 | 12 | 13 | Check |
| 2 | 4 | 6 | 8 | 9 | 10 | 12 | 13 | Check |
| 2 | 4 | 6 | 8 | 9 | 10 | 12 | 13 | Check |
| 2 | 4 | 6 | 8 | 9 | 10 | 12 | 13 | Check |
| 2 | 4 | 6 | 8 | 9 | 10 | 12 | 13 | Check |
| 2 | 4 | 6 | 8 | 9 | 10 | 12 | 13 | Check |
| 2 | 4 | 6 | 8 | 9 | 10 | 12 | 13 | Check |

**Bubble sort**

The bubble sort involves checking pairs. You go through each pair (overlapping) and check if they are the correct way round. If they are you leave them, otherwise you swap them. You then move to the next pair. Once you’ve gone through the set you repeat until you do a run through the set where you carry out no swaps. At this point the set should be in order and you stop