

2) (5 pts) ALG (Sorting)

Show the state of the array below for each iteration of *selection sort*:

| | | | | | | | | |
|---------------------------|----|----|----|----|----|----|----|----|
| Original | 13 | 27 | 12 | 9 | 88 | 45 | 22 | 31 |
| 1 st iteration | 13 | 27 | 12 | 9 | 31 | 45 | 22 | 88 |
| 2 nd iteration | | | | | | | | |
| 3 rd iteration | | | | | | | | |
| 4 th iteration | | | | | | | | |
| 5 th iteration | | | | | | | | |
| 6 th iteration | | | | | | | | |
| 7 th iteration | 9 | 12 | 13 | 22 | 27 | 31 | 45 | 88 |