

Class work: Selection-sort

Note: As usual, we denote the size of A by n .

```
SELECTION-SORT( $A$ )
1  For  $i = 0$  to (?)
2       $k =$  the index of the smallest element among  $A[i], A[i + 1], \dots, A[n - 1]$ 
3      swap  $A[i]$  with  $A[k]$ 
```

1. Show how this works on $A = (3, 1, 5, 7, 4, 6, 2)$.
2. Think about how you would implement line 2 in the algorithm.
3. Finish the for loop (What is last value of i ?).