

1. Take  $i = 0, j = 1$ . The first iteration of the outer loop compares  $n - j = 5 - 1 = 4$  times. No element  $A[j]$  satisfies  $A[j] < A[small]$  so we do not swap. The next iteration of the outer loop, with  $i = 1$ , sets  $j = 2$  and we perform  $5 - 2 = 3$  comparisons. Again there is no swap. With the next iterations, we compute another 2, then 1. Together there are  $4 + 3 + 2 + 1 = 10$  comparisons and 0 swaps.