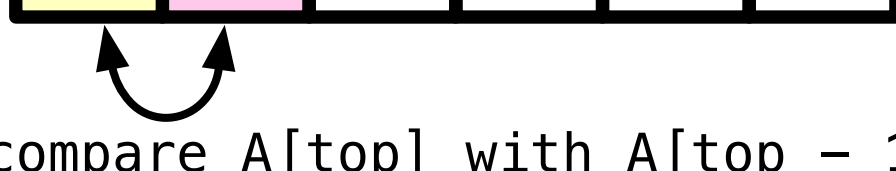
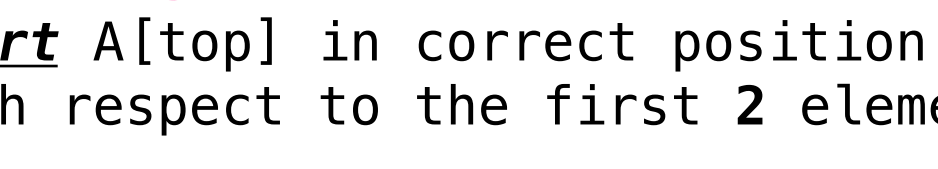


compare A[top] with A[top - 1]

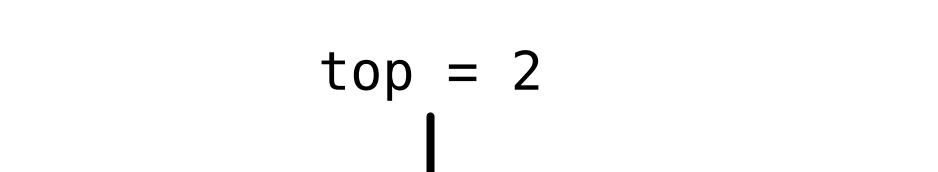


insert A[top] in correct position A[0] with respect to the first 2 elements

After first iteration, first two elements are sorted

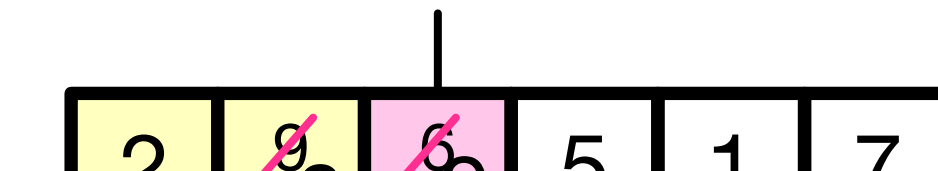


compare A[top] with A[top - 1], A[top - 2]



insert A[top] in correct position A[top - 1] with respect to the first 3 elements

After second iteration, first three elements are sorted

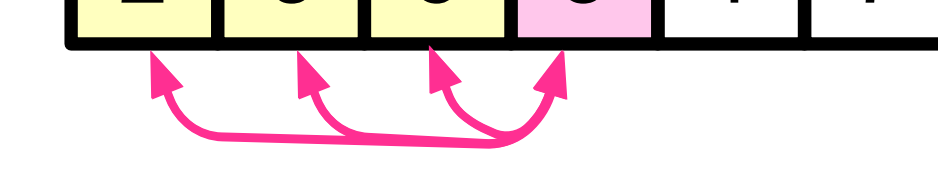


compare A[top] with A[below top till 0]

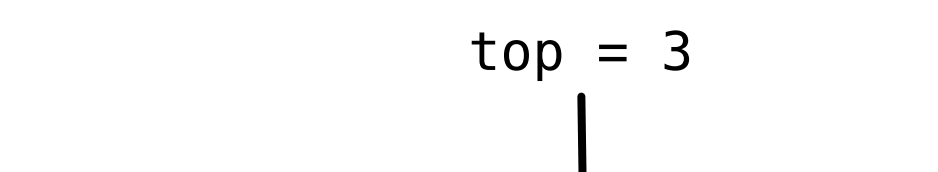


shift all elements that are > A[top] to right, and insert A[top] in its correct position with respect to the first 4 elements

After third iteration, first four elements are sorted

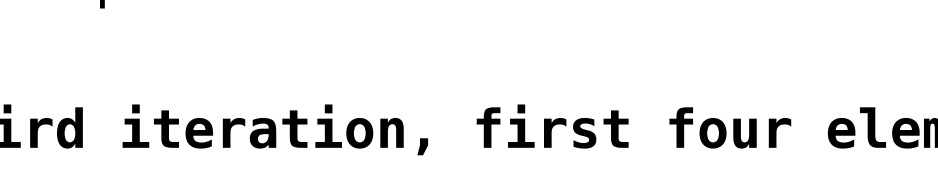


compare A[top] with A[below top till 0]

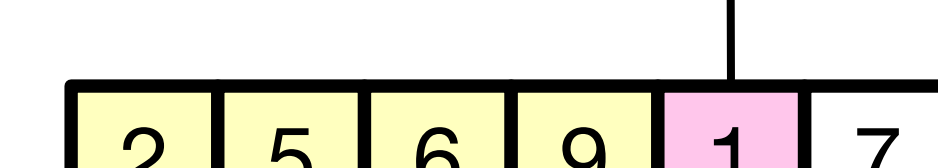


shift all elements that are > A[top] to right, and insert A[top] in its correct position with respect to the first 5 elements

After forth iteration, first four elements are sorted



compare A[top] with A[i] till A[top] > A[i]



shift all elements that are > A[top] to right, and insert A[top] in its correct position with respect to the first 6 elements

After fifth iteration, first six elements are sorted

