PennX: SD3x **Algorithm Design and Analysis** Edx.org (moocs) Quiz 1.1 Given an array A, let's say that there is an inversion between indices i and j if i < j but A[i] > A[j]. What is the array containing the elements {1, 2, 3, 4, 5, 6} that has the maximum number of inversions? 1, 2, 3, 1 How many inversions does the array from the previous question have?

 $\langle \mathcal{L} \rangle$ 671 3,5 24 ete.... ۷, ern 131277 What is the most number of inversions possible for an array of n elements? nr 5