Given an array **arr[]** with repeated elements, the task is to find the maximum distance between two occurrences of an element.

Note: You may assume that every input array has repetitions.

**Examples:**

**Input:** arr = [1, 1, 2, 2, 2, 1]

**Output:** 5

**Input:** arr = [3, 2, 1, 2, 1, 4, 5, 8, 6, 7, 4, 2]

**Output:** 10

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Note: You may assume that every input array has repetitions.

**Examples:**

**Input:** arr = [1, 1, 2, 2, 2, 1]

**Output:** 5

**Explanation:** distance for 1 is: 5-0 = 5, distance for 2 is : 4-2 = 2, So max distance is 5.

**Input:** arr = [3, 2, 1, 2, 1, 4, 5, 8, 6, 7, 4, 2]

**Output:** 10

**Explanation:** maximum distance for 2 is 11-1 = 10, maximum distance for 1 is 4-2 = 2 ,maximum distance for 4 is 10-5 = 5, So max distance is 10.