## Activity 8 - Learning by doing 2

In the previous learning by doing activity, the given array was supposed to show for the given sequence of inputs for the following

1. Quick find
2. Quick Union
3. Weighted Quick Union
4. Weighted Quick Union path compression

Above all the methods, the weighted quick path compression is the better method comparative to the remaining for following reasons :

1. Complexity of the method is O(lg\*N).
2. It can compute upto 2 to the exponent of 65536 inputs in 6 seconds.