Activity – 8

There are four algorithms such as quick - find, quick - union, and weighted - quick union and weighted - quick union path compression (WQUPC). Among those algorithms, WQUPC is most efficient algorithm. Because it has less time – complexity whose formulae is M + N log\*N, where M is number of operations and N is number of objects. Using this algorithm, any program can be executed within 6 seconds. It accesses the array less number of times.