Acttivity 6:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Insertion | | | Searching | | | Deletion | | |
|  | Worst | Average | Best | Worst | Average | Best | Worst | Average | Best |
| Linear Search ST | N | N | 1 | N | N/2 | 1 | N | N/2 | 1 |
| Binary Search ST | N | N/2 | 1 | logN | logN | 1 | N | N/2 | 1 |
| BST | N | 1.39 logN | 1 | N | 1.39 logN | 1 | N | √N | 1 |
| 2 - 3 Trees | c logN | c logN | 1 | c logN | c logN | 1 | c logN | c logN | 1 |