Name : Abhishek Padhi

Roll : 7206

Date : 22 July, 2024

**array=[22,29,35,47,52,61,90]**

|  |  |  |  |
| --- | --- | --- | --- |
| **KEY** | **No. of *Comparisons* for Linear Search** | **No. of Comparisons for Binary Search** | **No. of Comparisons for Sentinel Search** |
| 22 | 1 | 3 | 0 |
| 29 | 2 | 2 | 1 |
| 35 | 3 | 3 | 2 |
| 47 | 4 | 1 | 3 |
| 52 | 5 | 3 | 4 |
| 61 | 6 | 2 | 5 |
| 90 | 7 | 3 | 6 |
| 19 | 7 | 3 | 7 |
| 25 | 7 | 3 | 7 |
| 32 | 7 | 3 | 7 |
| 40 | 7 | 3 | 7 |
| 50 | 7 | 3 | 7 |
| 57 | 7 | 3 | 7 |
| 80 | 7 | 3 | 7 |
| 99 | 7 | 3 | 7 |