Comparison of linear and binary search

Name: Pranavi Kundu

Class: SE COMP-B

Roll No: 7240

Date: 24 July 2024

Input array: [567, 213, 876, 432, 189, 754, 321, 978, 654, 109, 345, 892, 543, 210, 987, 426, 769, 817, 534, 203, 418, 670, 915, 123, 456, 789, 234, 589, 702, 643, 210, 765, 432, 879, 654, 321, 768, 453, 385, 679, 987, 654, 234, 567, 890, 643, 576, 834, 498, 715, 963, 271, 853, 629, 384, 510, 627, 894, 345, 672, 819, 203, 789, 432, 185, 760, 928, 517, 641, 895, 327, 864, 519, 274, 386, 972, 543, 201, 768, 532, 907, 874, 263, 754, 326, 591]

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| S no. | key | Comp. in linear search | Comp. in binary search | Comp. in fib search |
| 1 | 210 | 13 | 5 |  |
| 2. | 817 | 66 | 4 |  |
| 3. | 1234 | 86 (not found) | 7 (not found) |  |
| 4. | 907 | 78 | 5 |  |
| 5. | 532 | 35 | 6 |  |
| 6. | 201 | 4 | 3 |  |
| 7. | 760 | 59 | 5 |  |
| 8. | 510 | 32 | 5 |  |
| 9. | 345 | 19 | 1 |  |
| 10. | 270 | 86 (not found) | 7 (not found) |  |