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|  | Siralama  ALGORITMA | WORST CASE  Big O notation  En kötü durum | AVRAGE CASE  teta-notation  Ortalama durum | BEST CASE  Omega-notation  En iyi durum | TEKRERLI BAGINTISI  T(N) = |
| 1 | Bubble sort | ***O(n2)*** | ***O(n2)*** | ***O(n)*** | T(N) = T(N-1) + O(N) |
| 2 | İnsertion sort | ***O(n2)*** | ***O(n2)*** | ***O(n)*** | T(n) = T(n-1) + O(n) |
| 3 | Selection sort | ***O(n2)*** | ***O(n2)*** | ***O(n2)*** | T(N) = T(N-1) + O(N) |
| 4 | Pancake sort | ***O(n2)*** | ***O(n2)*** | ***O(n2)*** | T(N) = T(N-1) + O(N) |
| 5 | Heap sort | ***O(n logn)*** | ***O(n logn)*** | ***O(n logn)*** | T(n) = 2T(n/2) + O(n) |
| 6 | Merge sort | ***O(n logn)*** | ***O(n logn)*** | ***O(n logn)*** | T(n) = 2T(n/2) + O(n) |
| 7 | Quik sort | ***O(n2)*** | ***O(n logn)*** | ***O(n logn)*** | T(N) = T(K) + T(N-K-1) + O(N) |
| 8 | Bucket sort | ***O(n2)*** | ***O(n)*** | ***O(n)*** | T(N) = O(N) + T(M) |
| 9 | Counting sort | ***O(n2)*** | ***O(n)*** | ***O(n)*** |  |
| 10 | Radex sort | ***O(n)*** | ***O(n)*** | ***O(n)*** | T(N) = T(N-1) + O(1) |
| 11 | Shell sort | ***O(n2)*** | ***O(n logn)*** | ***O(n)*** |  |
| 12 | Tim sort | ***O(n logn)*** | ***O(n logn)*** | ***O(n)*** |  |

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|  | ARAMA ALGORITMA | WORST CASE  Big O notation | AVRAGE CASE  teta-notation | BEST CASE  Omega-notation | TEKRERLI BAGINTISI  T(N) = |
| 1 | İkili arama | **Log (n)** | **Log (n)** | **O(1)** | T(n) = T(n/2) + O(1) |
| 2 | Lineer arama | **O(n)** | **O(n)** | **O(1)** | T(N) = T(N-1) + O(1) |
| 3 | Gallop arama | **Log (n)** | **Log (n)** | **O(1)** | T(N) = T(N/2) + O(1) |
| 4 | Jump arama | **Sqrt(n)** | **Sqrt(n) veya log(n)** | **O(1)** |  |
| 5 | Ternary arama | **Log (3n)** | **Log (3n)** | **O(1)** |  |