Running Time Comparison

Write the asymptotic running time of each data structure operation, in the worst case.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Array | LinkedList | DoubleLinkedList |
| Insert at End |  |  |  |
| Insert at Front |  |  |  |
| Find element x |  |  |  |
| Get element at index i |  |  |  |
| Insert in middle |  |  |  |
| Remove first |  |  |  |
| Remove last |  |  |  |
| Remove element at index i |  |  |  |
| Best for Stacks |  |  |  |
| Best for Queues |  |  |  |