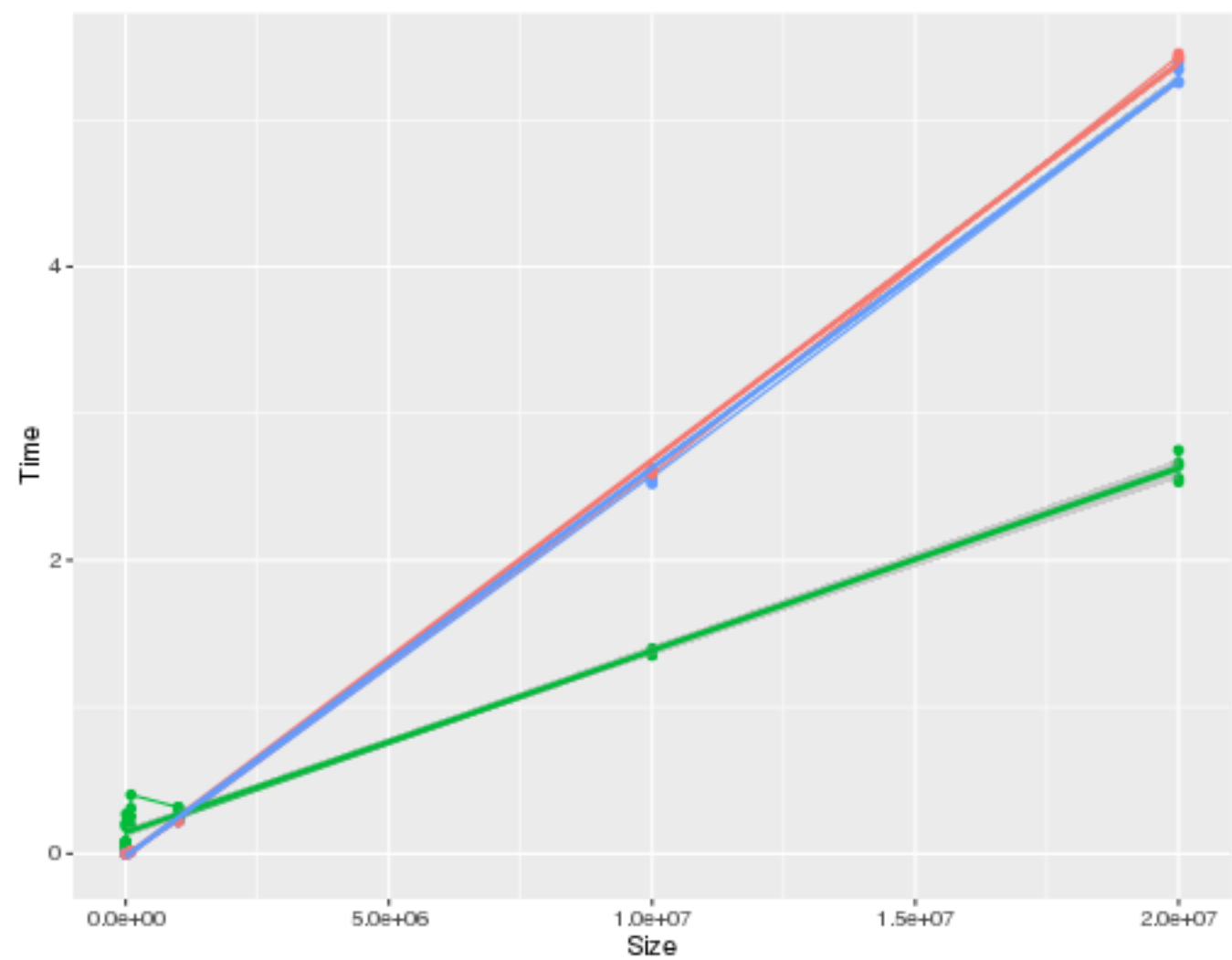


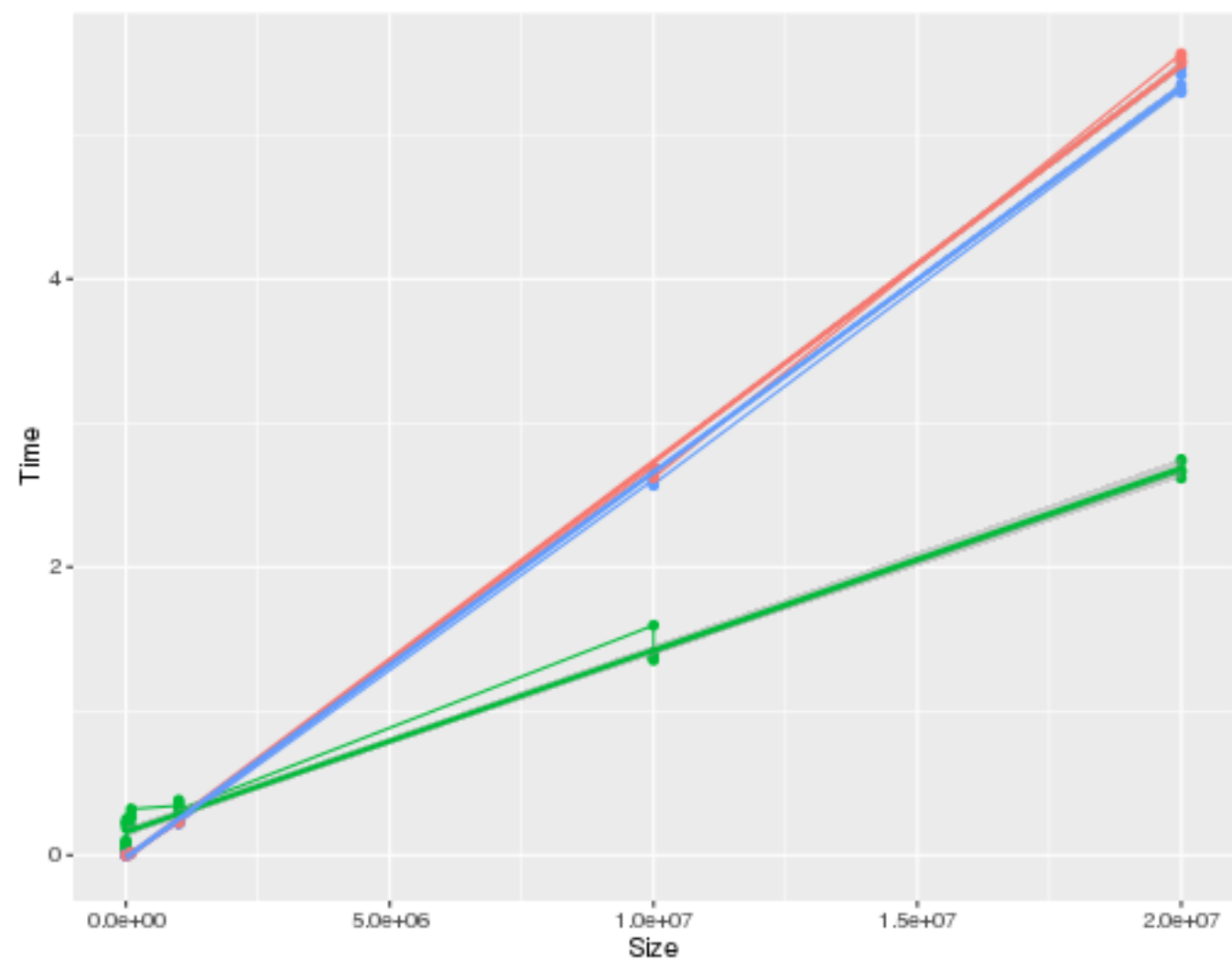
-00

Type  
BullHn  
Parallel  
Sequential

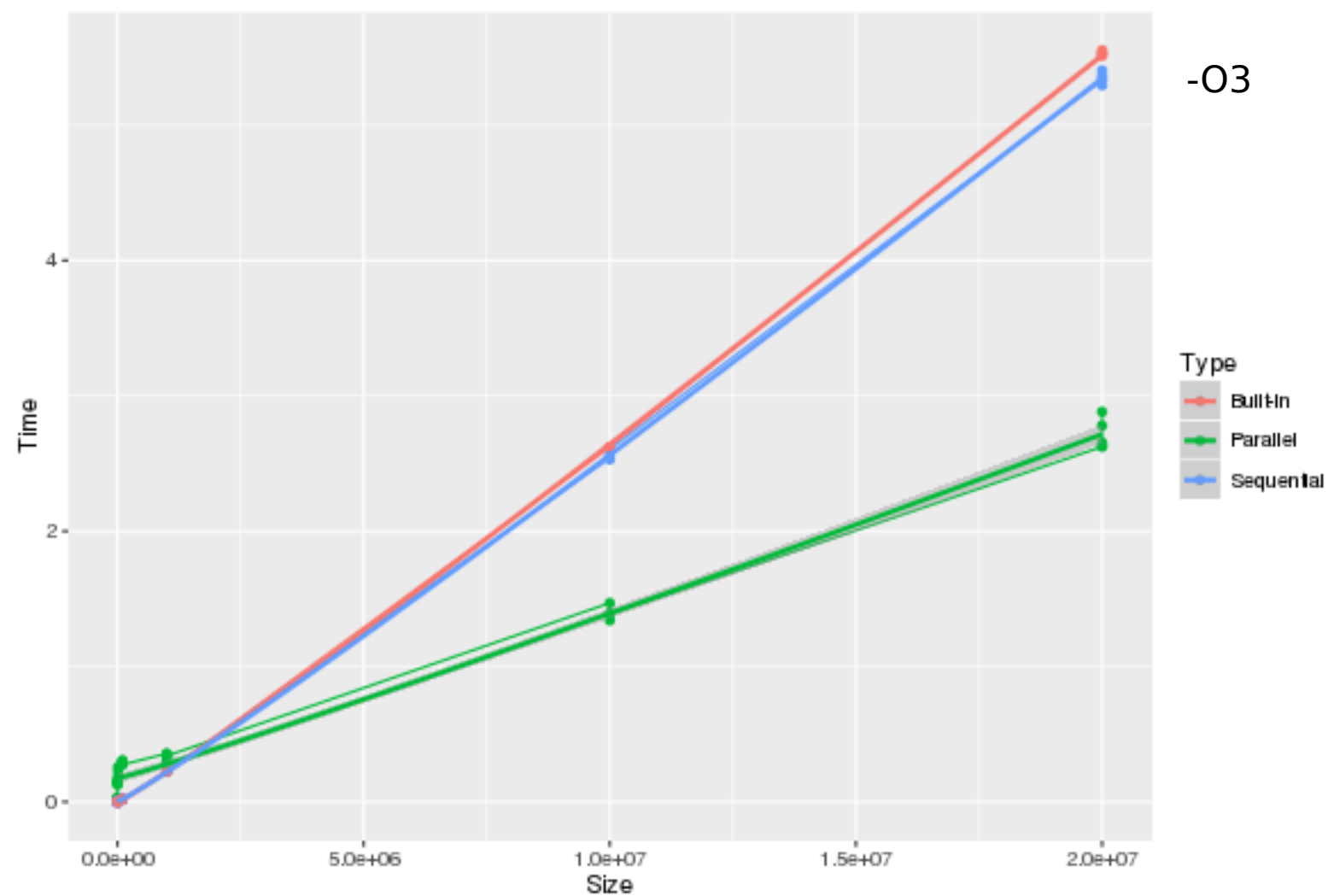


-02

Type  
- BullHn  
- Parallel  
- Sequential



-03



```
void quickSortWS(double arr[], int left, int right) {
    int i = left, j = right;
    double tmp;
    double pivot = arr[(left + right) / 2];

    /* partition */
    while (i <= j) {
        while (arr[i] < pivot)
            i++;
        while (arr[j] > pivot)
            j--;
        if (i <= j) {
            tmp = arr[i];
            arr[i] = arr[j];
            arr[j] = tmp;
            i++;
            j--;
        }
    };

    /* recursion */
    if (left < j)
        cilk_spawn quickSortWS(arr, left, j);
    if (i < right)
        quickSortWS(arr, i, right);
    cilk_sync;
}
```

