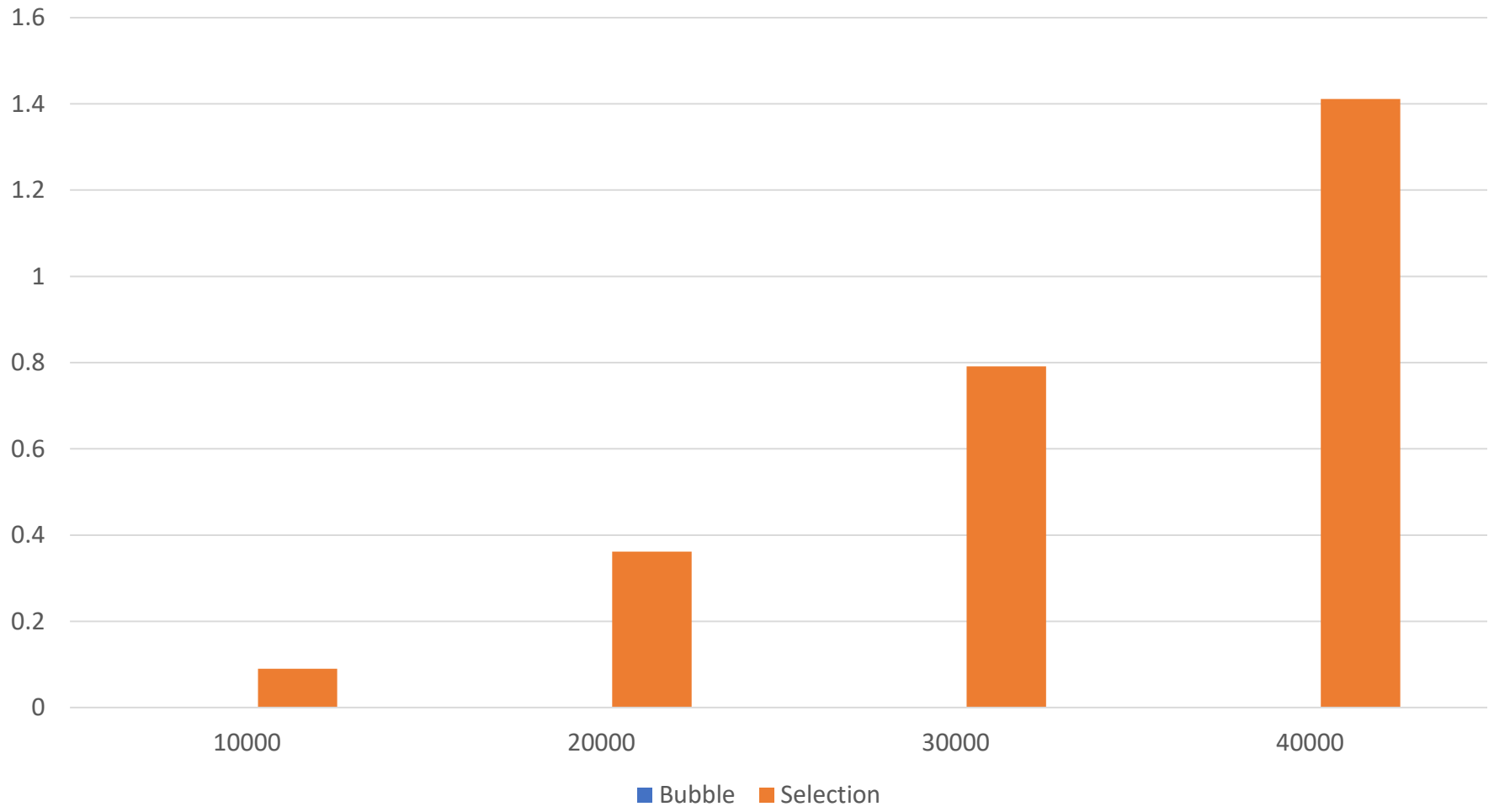
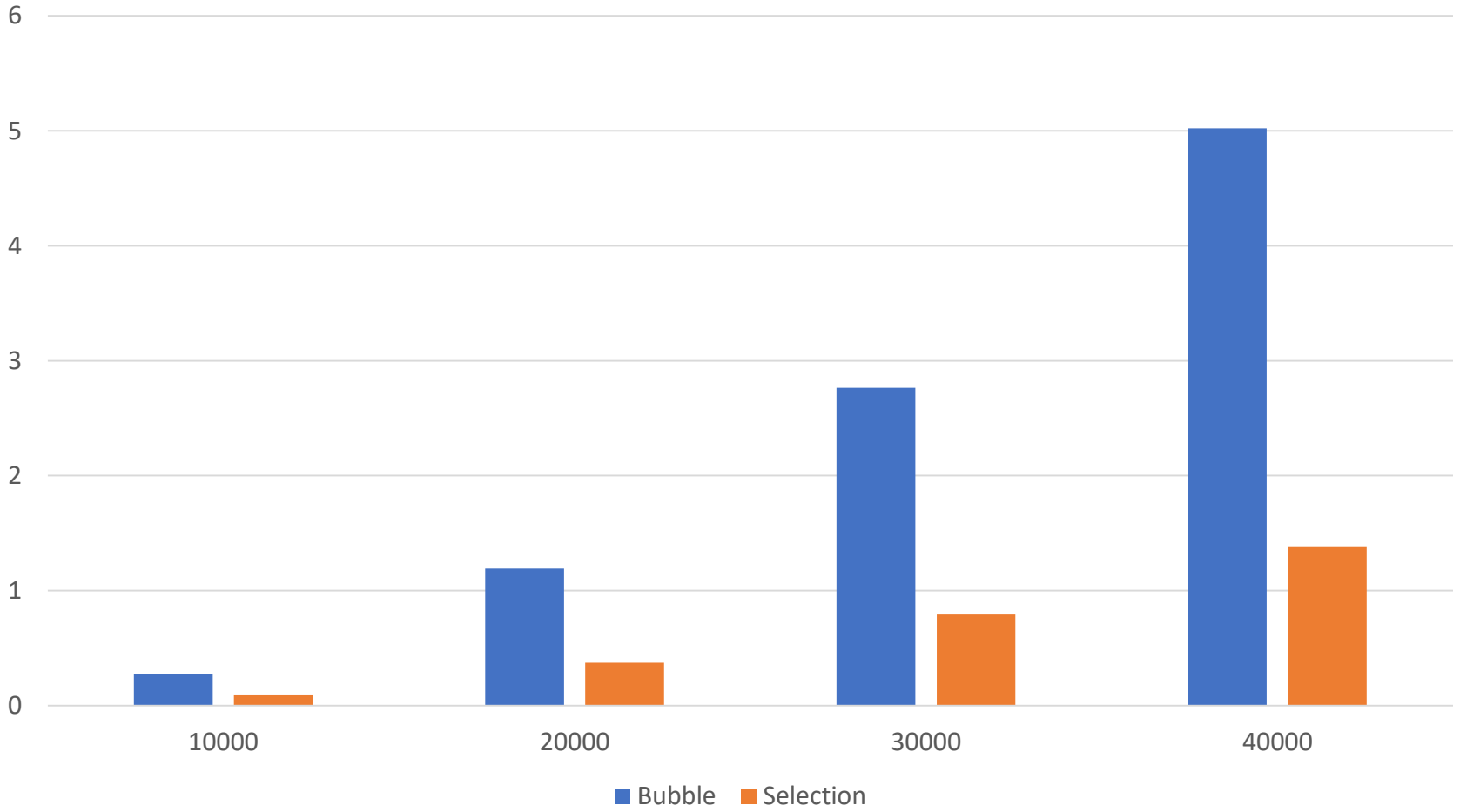
For Already Sorted Input



For Unsorted Input