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Kompletteringsfrågor

1.

vii)

The insertion and removal of elements up to assignment (vi) are all constant. No matter the input size the, the element will only have to be put in the place next to the sentinel element. The worst case for the ordered insert is O(n), i.e the entire list might have to be traversed before an element can be inserted.

6.

The time complexity of the Bellman-ford is O(EV). In a complete graph with n vertices there are around n^2 edges, which would result in a O(n^3) time complexity, which is terrible for large graphs.