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Insertion Sort (Insert Two Items Together)

Summary:

Insertion sort inserts one item at a time. This program enhances the performance to insert two items together, then finding out the effect of this improvement.

In this modification, we pick two items at a time. Then we look for the right place of the largest item, shifting items by two places at a time. After putting the largest item in its place, we keep shifting one item at a time till finding the right place for the smallest item.

The performance of the algorithm against the original insertion sort is plotted in the attached excel file.

The project is built using C++, Code::Blocks.