1. List the members of your group below. Underline your name.

2. Describe, in your own words, the essence of the bottom-up insertion algorithm for red-black trees (approx. 100 words). Depict the red-black tree resulting from the sequential insertion of

   1, 2, 3, ..., 10, 20, 19, ..., 11

into an empty tree, using bottom-up insertion. All intermediate trees need not be depicted, but it is advisable to depict at least a few.
[additional space for answering the earlier question]
3. Repeat Question 2 for \textit{top-down insertion}.
[additional space for answering the earlier question]