Programming Assingment 2

The goal of the programming assignment is to implement algorithms for producing straight-line crossing-free drawing of maximal planar graphs. Recall that in a maximal planar graph all faces (including the outer face) are triangles.

You are asked to extend the graph-editor source code using the y-Files library, by implementing the algorithms of Category A (de Fraysseix - Pach - Pollack) or Category B (Schnyder).

Category A – de Fraysseix - Pach - Pollack

a) canonical ordering

b) straight-line planar drawing based on the algorithm by de Fraysseix - Pach - Pollack

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Category B – Schnyder

a) canonical ordering

b) straight-line planar drawing based on the algorithm by Schnyder

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Due by: Monday, January 9, 2023

(the whole project and source code in a zip file).