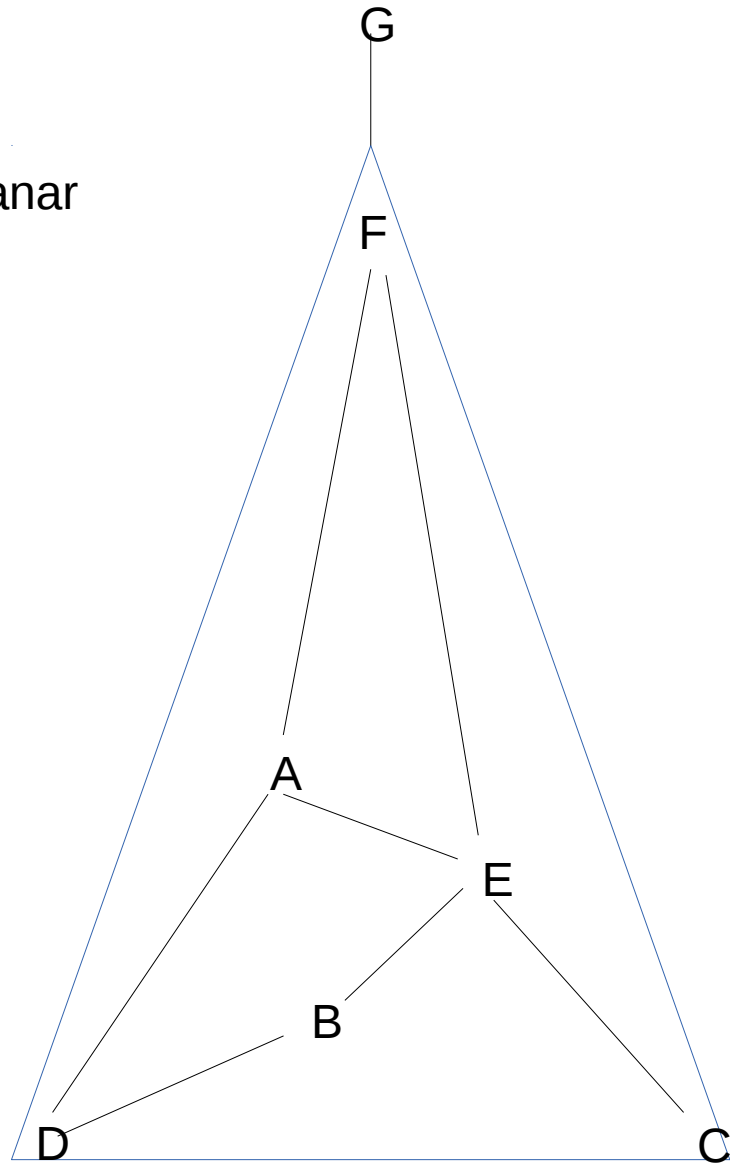


3a)

Proof (b) is planar



3a)

Graph shown in (a) is not planar.

Reason: Kuratowski's Theorem states that a graph is not planar if it contains K_5 or $K_{3,3}$ (or a homeomorphic subgraph).

This graph contains K_5 given A-L-S-T-C, with subgraphs

A-N-T
A-G-I-K-S
L-J-H-E-C
S-T
C-M-S
L-R-S