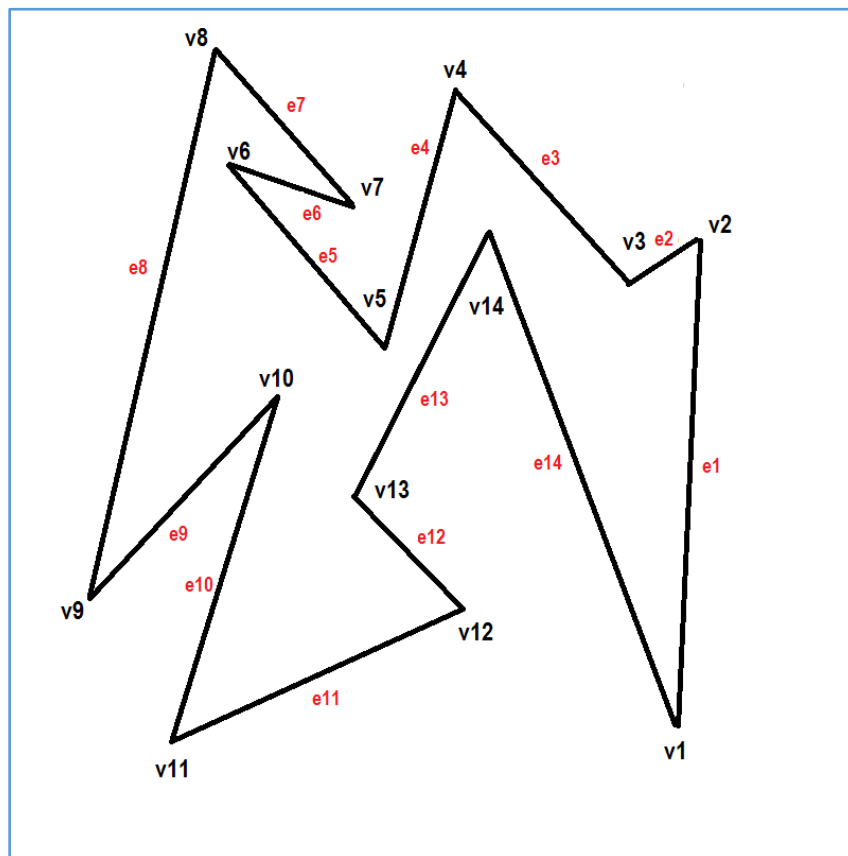


CENG 570
Computational Geometry
Assignment #2
Written Assignment on Partitioning a Polygon into y-Monotone Pieces

Due Date: March 18, 2018 23:55 (via ODTU-CLASS)

In this assignment, your goal is to apply the algorithm in the textbook for partitioning a simple polygon into y-monotone pieces on the following polygon.



Given that the order of vertices in decreasing y-coordinates is: v8, v4, v6, v7, v14, v2, v3, v5, v10, v13, v9, v12, v1, and v11, for each event point, indicate the edges in the status structure and the helpers of edges stored in the status structure. Also indicate the diagonals that are drawn in each event point. For each event point, indicate its type and execute the statements in the corresponding algorithm to handle that specific event.

Submit your written assignment as a **single** PDF, JPEG, or WORD document via ODTU-CLASS before the deadline.

Late submission policy: Late submission is allowed with 20 points penalty per day.