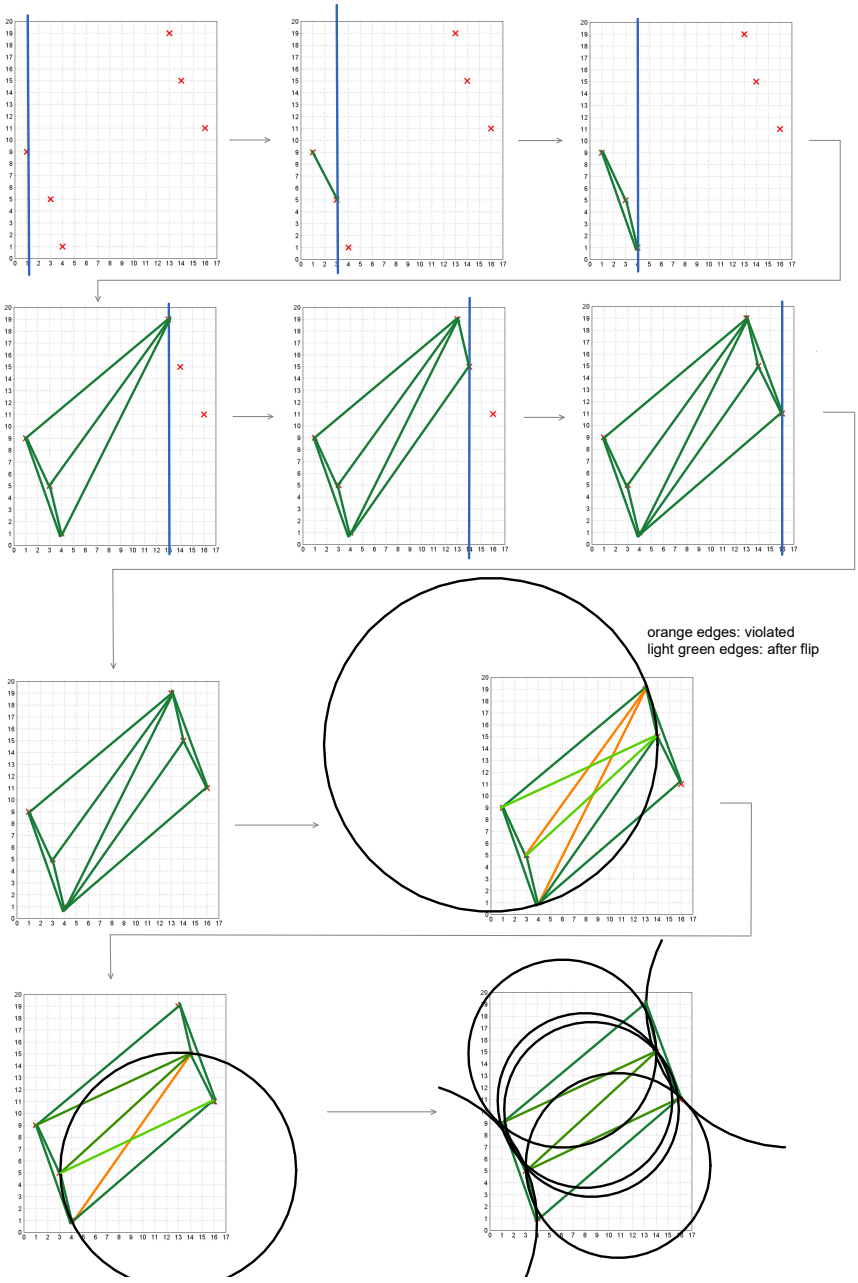
2973140 - Felix Bühler
2893121 - Jan Leusmann
3141241 - Jamie Ullerich

Exercise 5

Exercise 5. 1 [3 Points] Delaunay Triangulation - Edge-Flip



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Exercise 5. 2 [3 Points] Inverse Distance Weighting

- P_7:
  distances:
  - $P_1 = \sqrt{2}$
  - $P_2 = \sqrt{5}$
  - $P_3 = 1$
  - $P_4 = \sqrt{8}$
- P_8:
  distances:
  - $P_2 = 2.5$
  - $P_3 = 1.5$
  - $P_4 = \sqrt{4.25}$
  - $P_5 = 1.5$
  - $P_6 = \sqrt{4.25}$

Exercise 5. 3 [1 Points] Interpolation inside a prism

Get the inverse distance (eg. $\frac{1}{distance}$) of point P and all corresponding. Then multiply the value of the point with the given result and sum all up.

Exercise 5. 4 [5 Points] Paraview: Simple Gradient Plugin

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