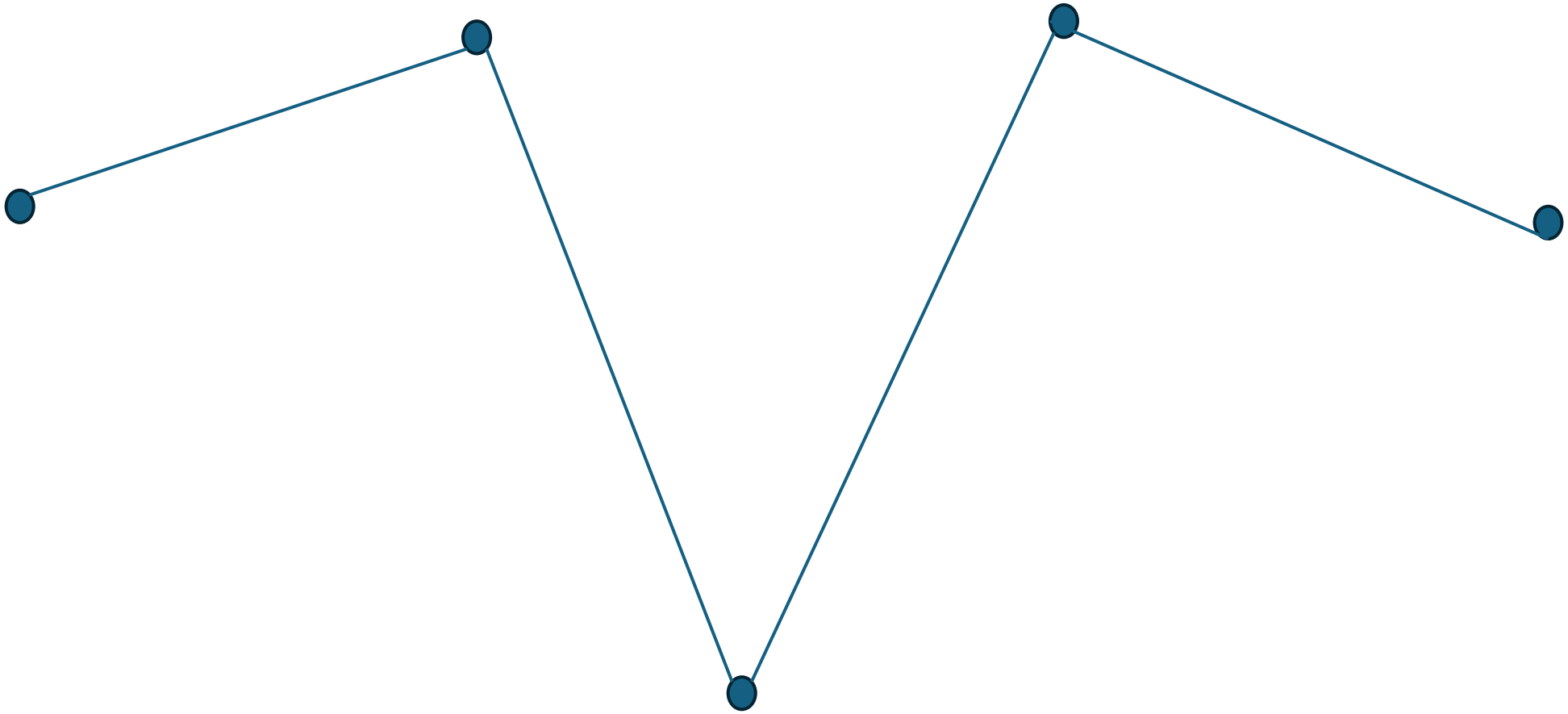
424 Midterm 1 Review Questions

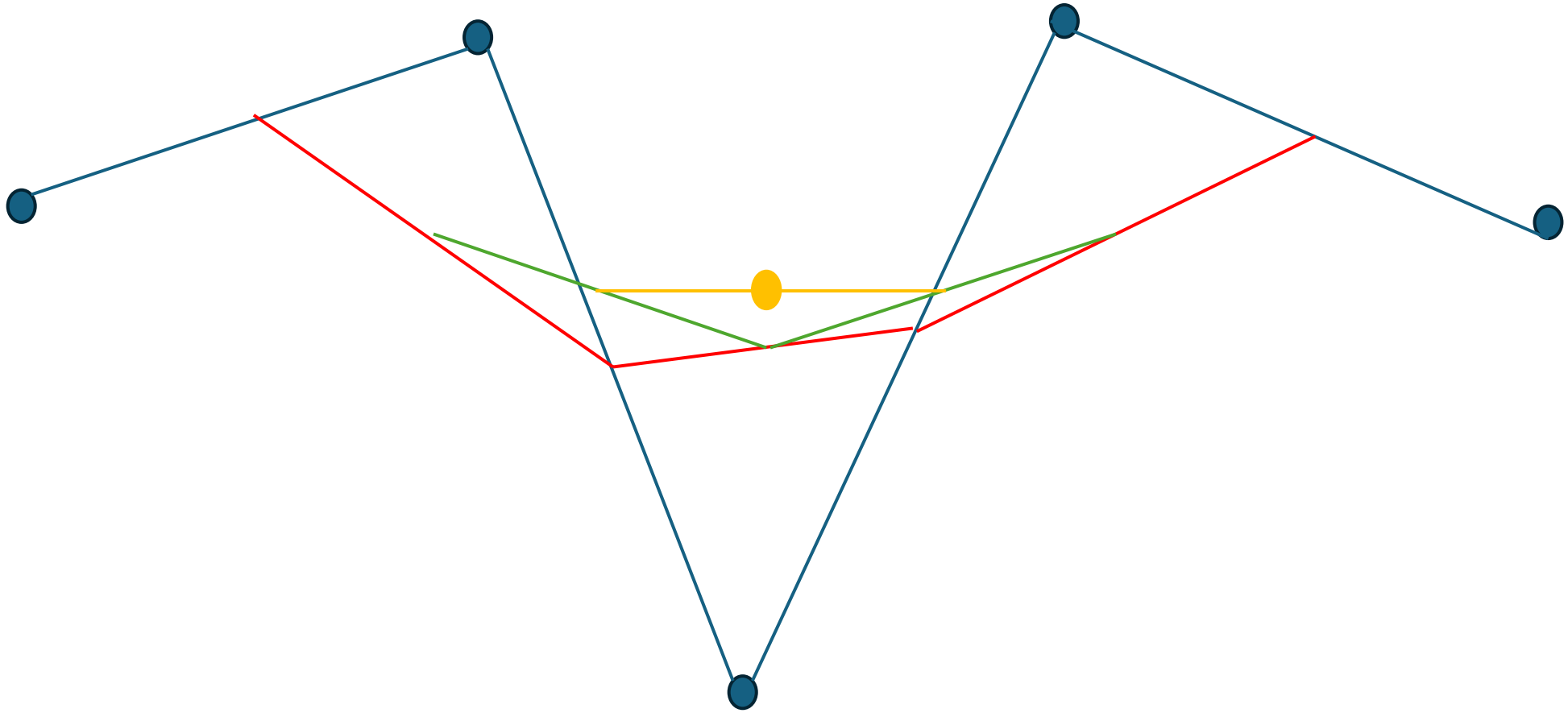
De Casteljau

Compute curve at t=1/2 using De Casteljau



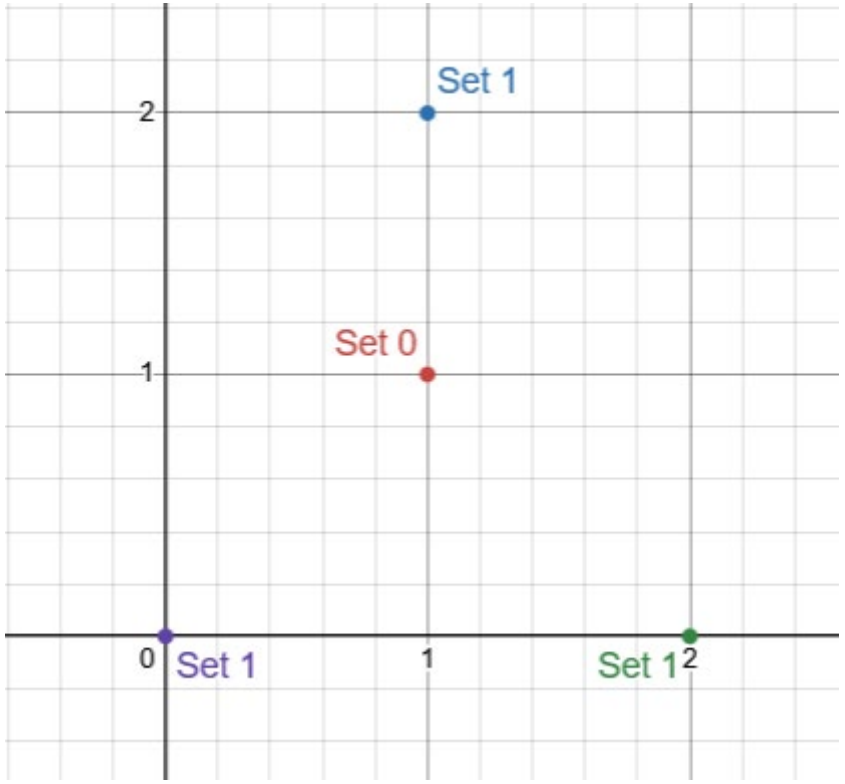
De Casteljau

Compute curve at t=1/2 using De Casteljau



Implicits

Define an implicit function to separates the points such that all points in set 0 are **positive** and points in set 1 are **negative**

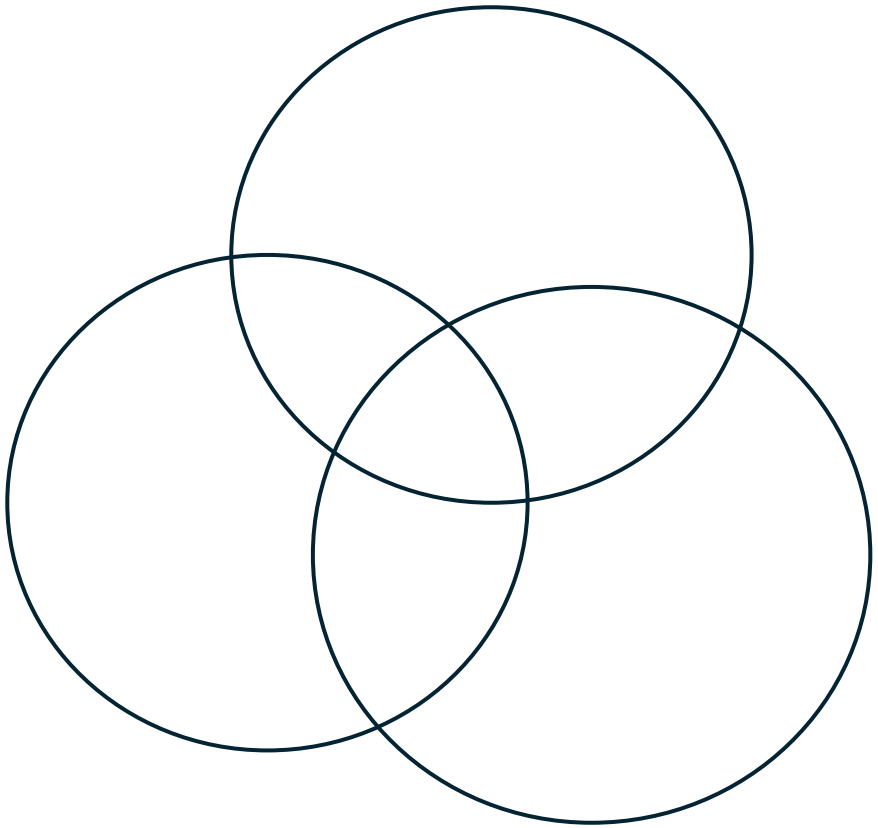


Continuity

1. Define the control points for two Hermite curve such that they are C0 continuous but not C1

2. Define the control points for two Hermite curve such that they are C1 continuous

3. Define the control points for two Hermite curve such that they are G1 continuous



1. Affine invariant
2. Interpolates all control points
3. Local control
4. Stays within convex hull
5. Controllable endpoint tangents