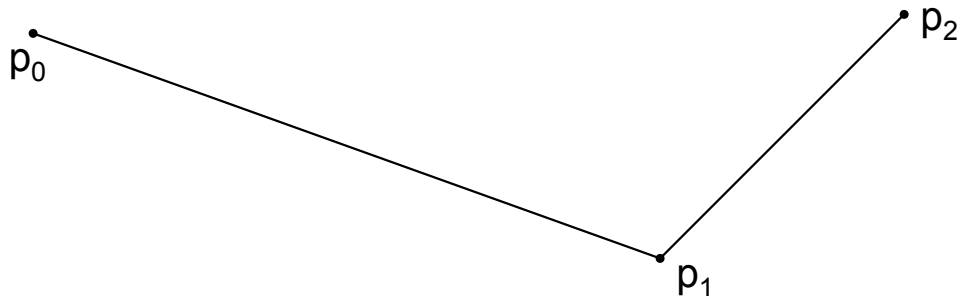
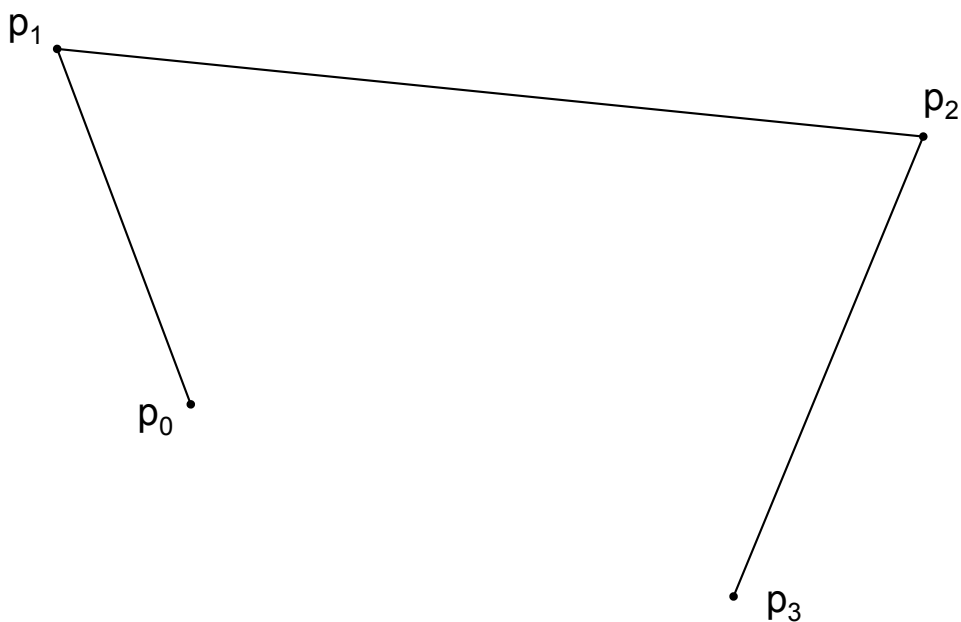


1. **2nd order Bézier curve:** Draw the Bézier curve with control points p_0, p_1, p_2 , using guiding points with $t = 0.25, 0.5, 0.75$.



2. **3rd order Bézier curve:** Draw the Bézier curve with control points p_0, p_1, p_2, p_3 , using guiding points with $t = 0.25, 0.5, 0.75$.



3. What is the derivative of a second order Bézier curve with respect to t ? What is the derivative at $t = 0$ and $t = 1$? What does this say about the curves tangents at p_0 and p_2 ?