Outline of the solution to Problem 2: Not a bed of roses

10 marks

21 August, 2020

Figure 1: Part a

Figure 2: Part b

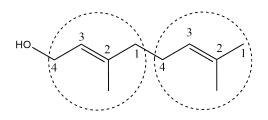


Figure 3: Part c

Figure 4: Part d

$$\frac{\text{SeO}_2/\text{H}_2\text{O}}{\text{Riley Oxidation}}$$
 resolve using any technique (viz. esterification with a chiral acid)
$$\frac{\text{CH}_2\text{I}_2/\text{Zn}(\text{Cu})}{\text{Et}_2\text{O}, 35^{\circ}\text{C}}$$
 Simmons-Smith Reaction (The Furukawa Modification using Et_2Zn is preferred)

Figure 5: Part e