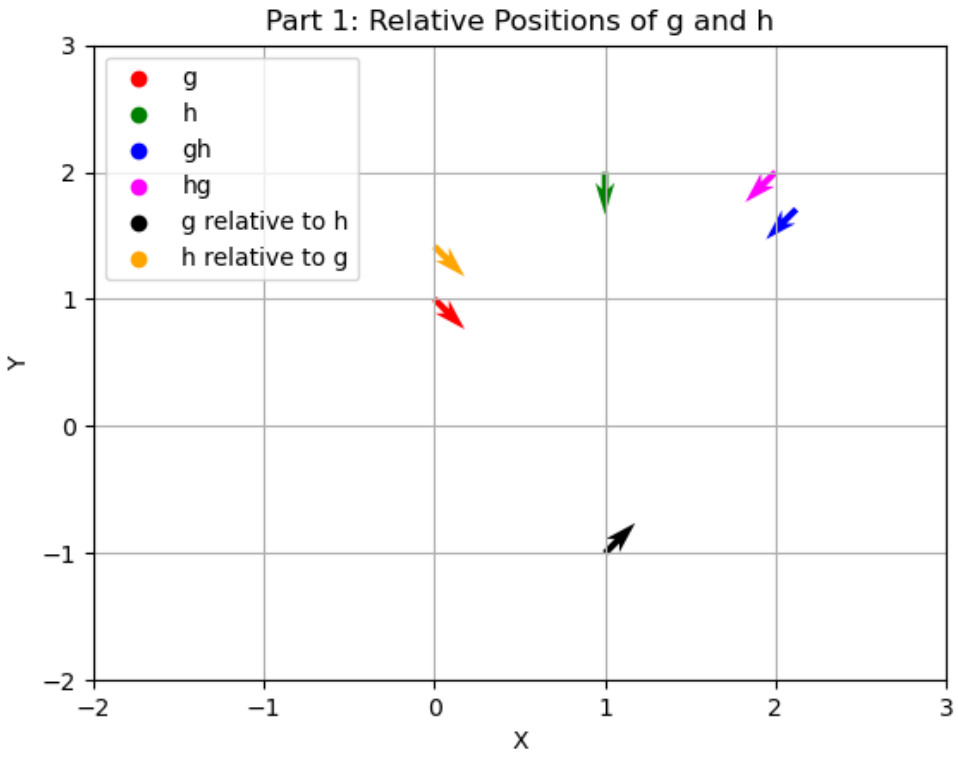
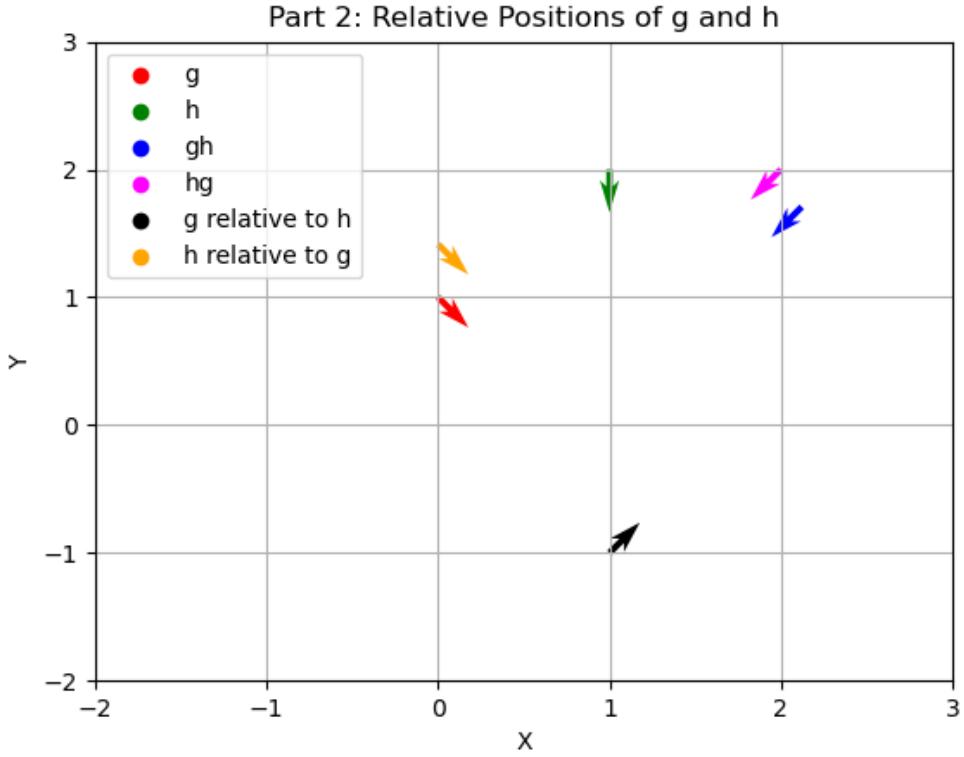
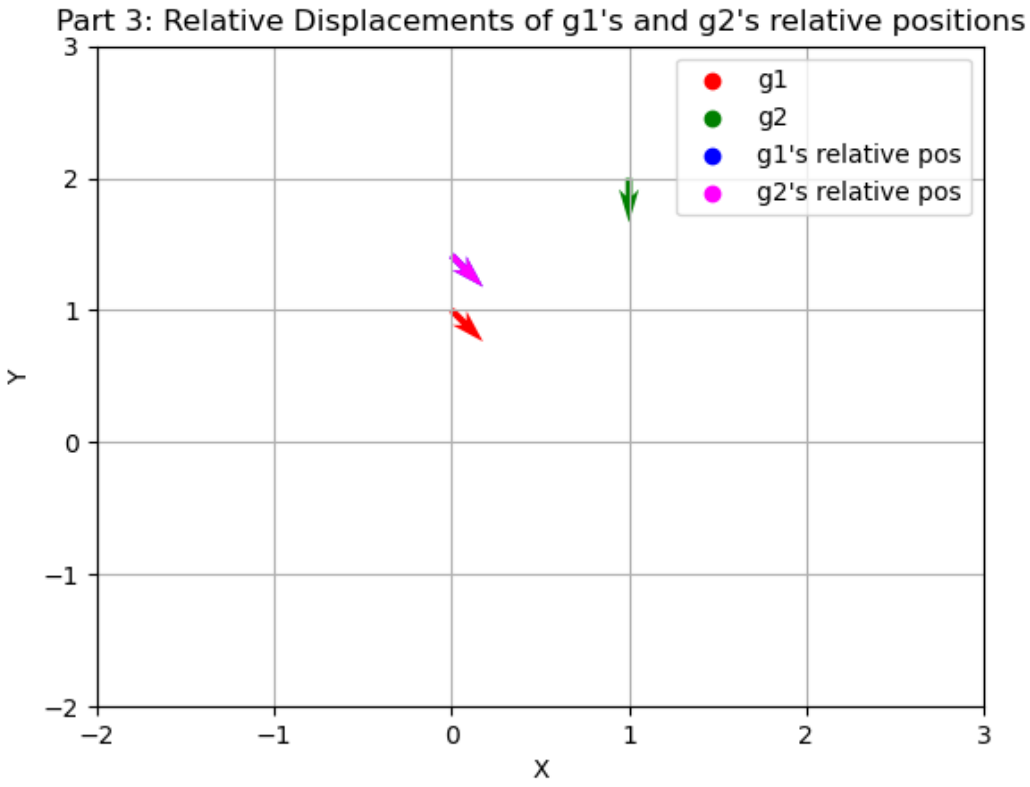
Part 1 Figure Illustration:



Part 2 Figure Illustration:



Part 3 Figure Illustration – The relative positions are overlaid: