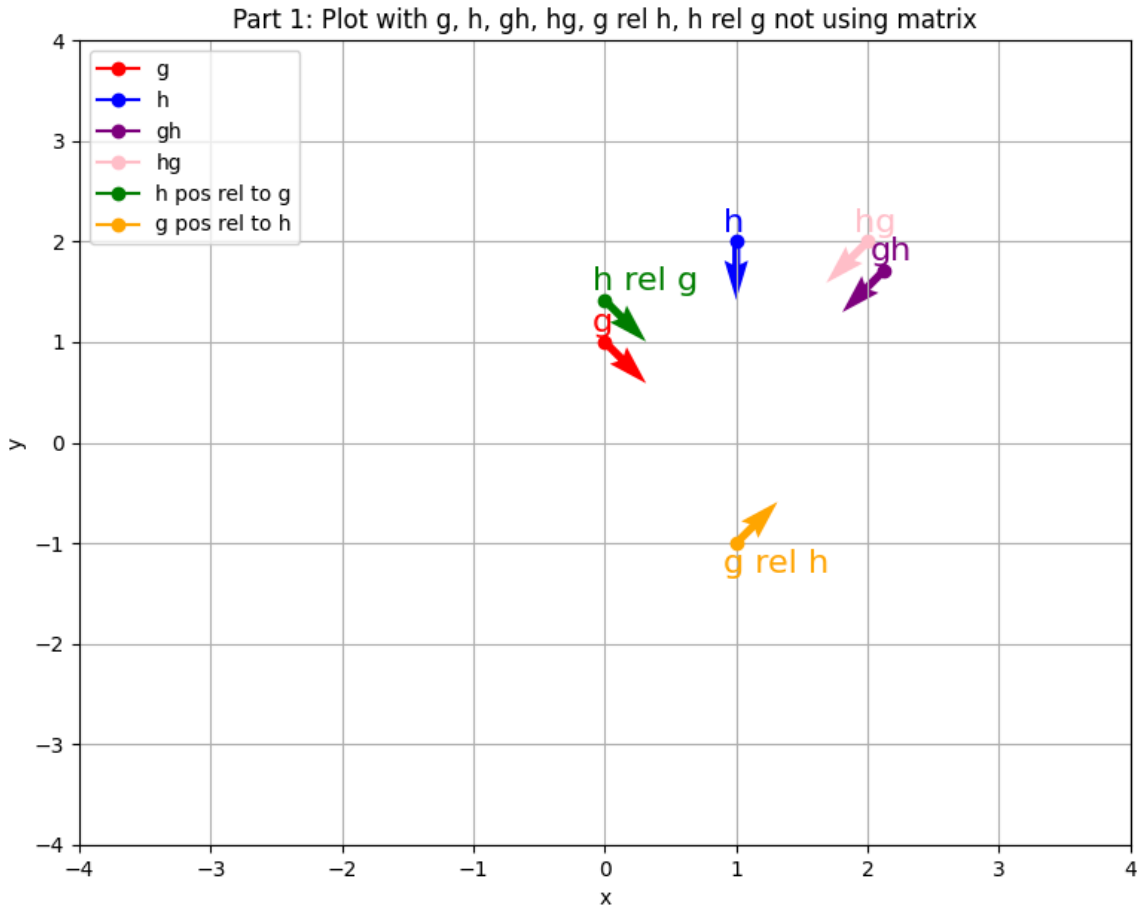
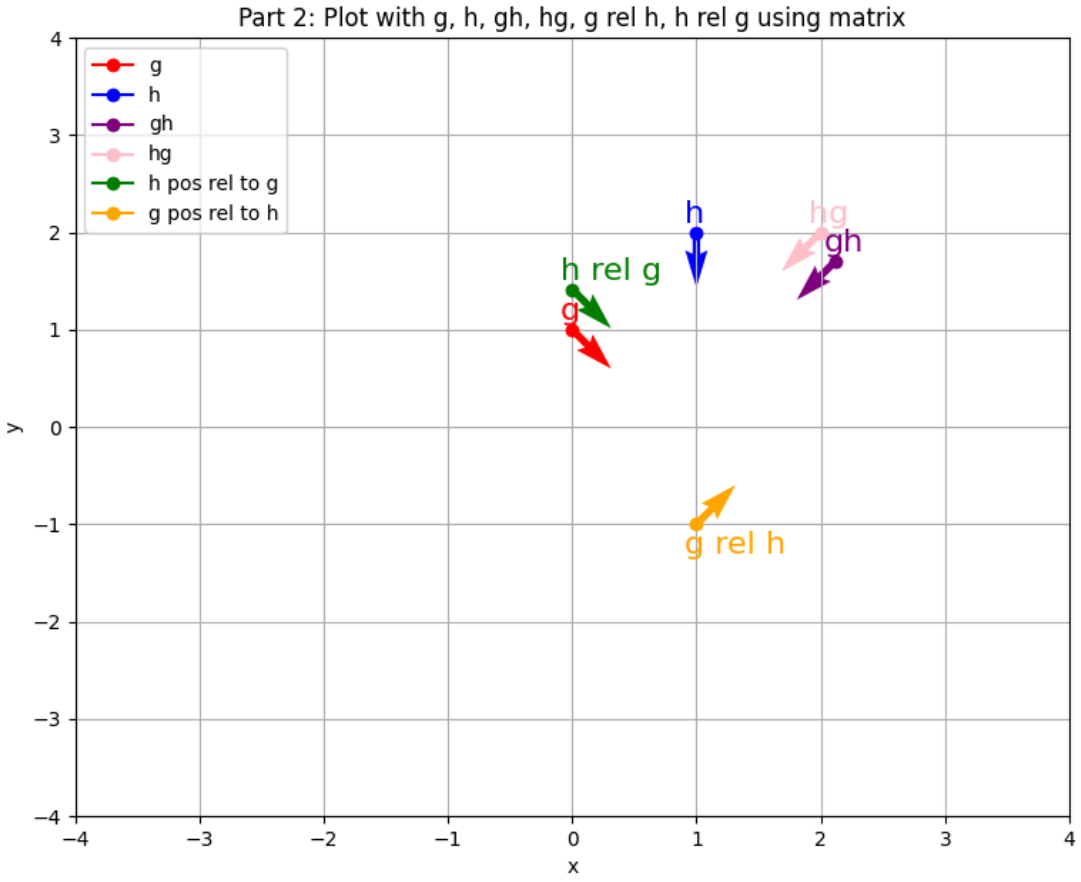
Part 1:



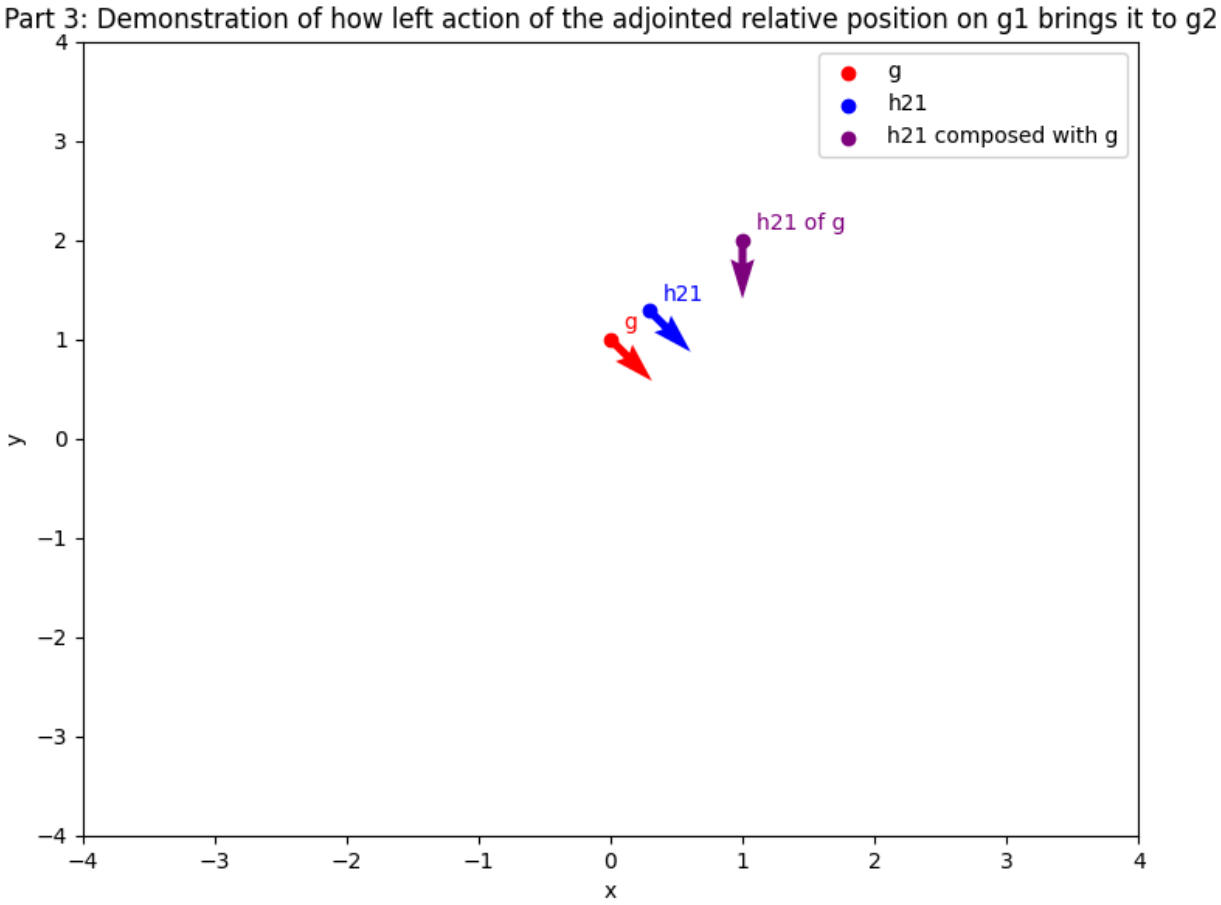
Caption: Illustration of g, h, gh, hg, position of g relative to h, position of h relative to g (not using matrix)

Part 2:

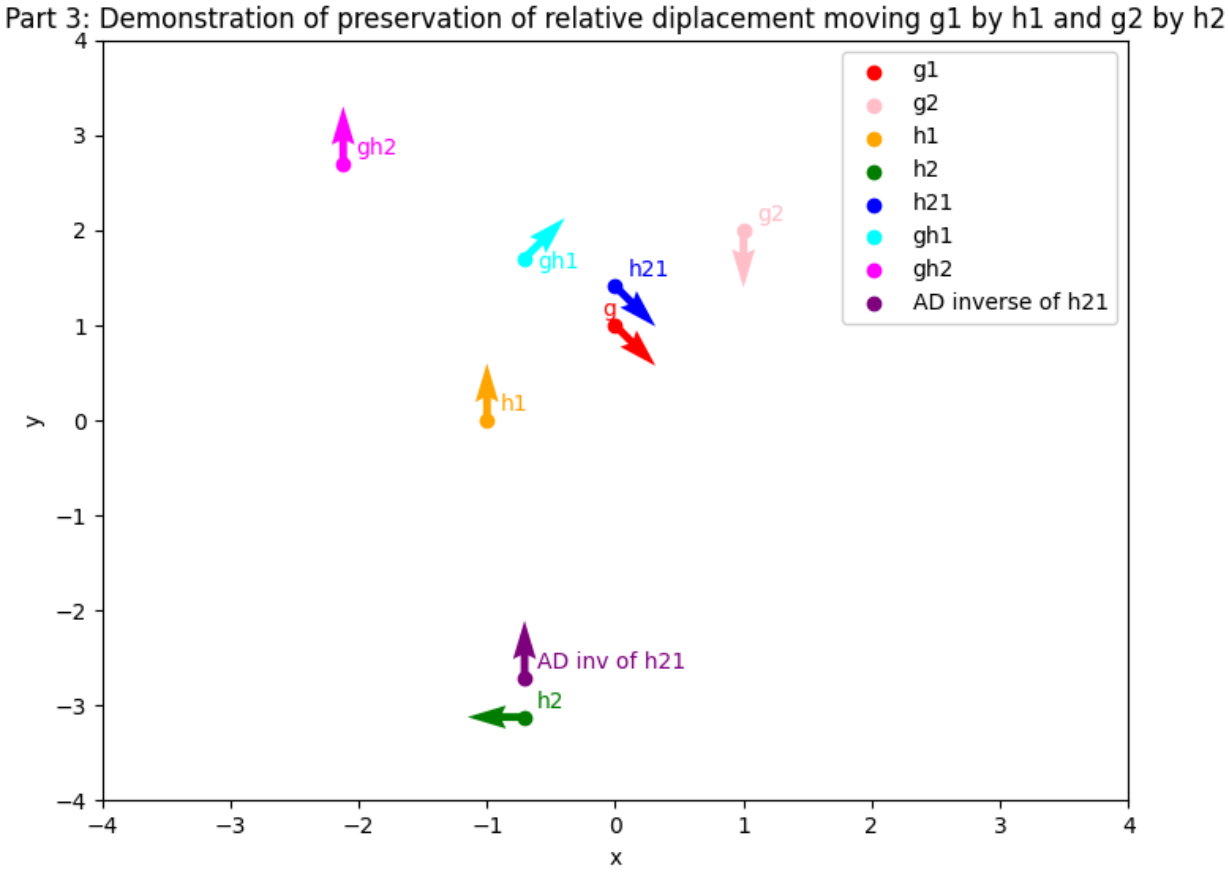


Caption: Illustration of g, h, gh, hg, position of g relative to h, position of h relative to g (using matrix)

Part 3:



Caption: Illustration demonstrating that the left action of the adjointed relative position on g1 brings it to g2



Caption: Illustration of g1, g2, h1, h2, h21, gh1, gh2, and AD inverse of h21 showing that the relative displacement is preserved between the two elements