Part 1:
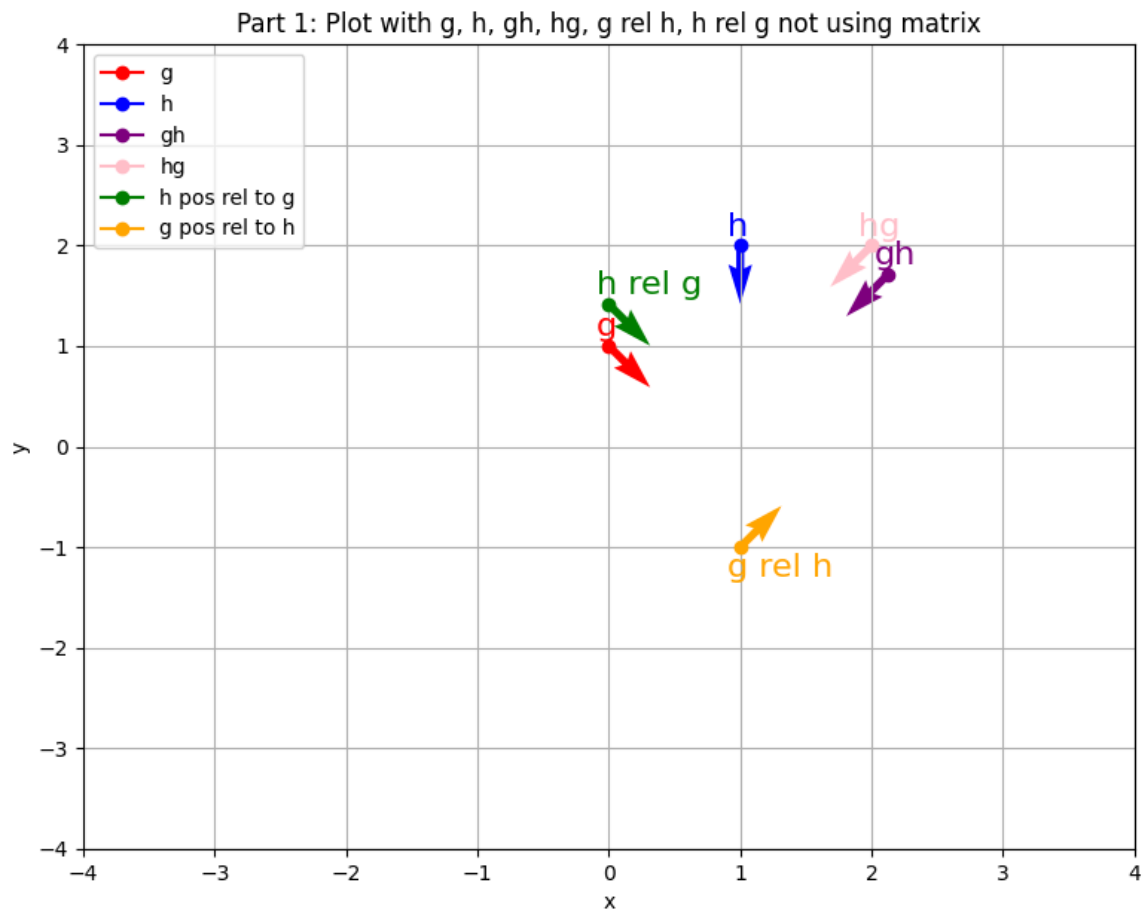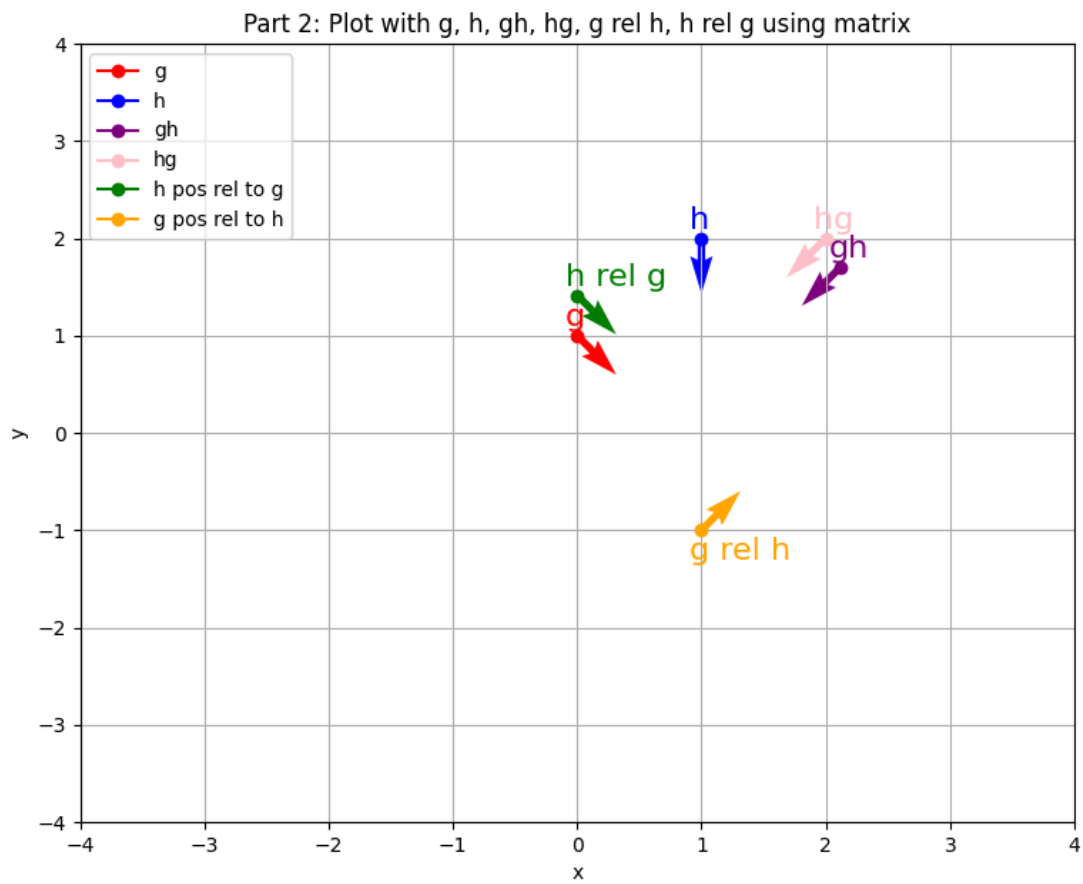

Part 1: Plot with g, h, gh, hg, g rel h, h rel g not using matrix

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

Part 2:

Part 2: Plot with g, h, gh, hg, g rel h, h rel g using matrix

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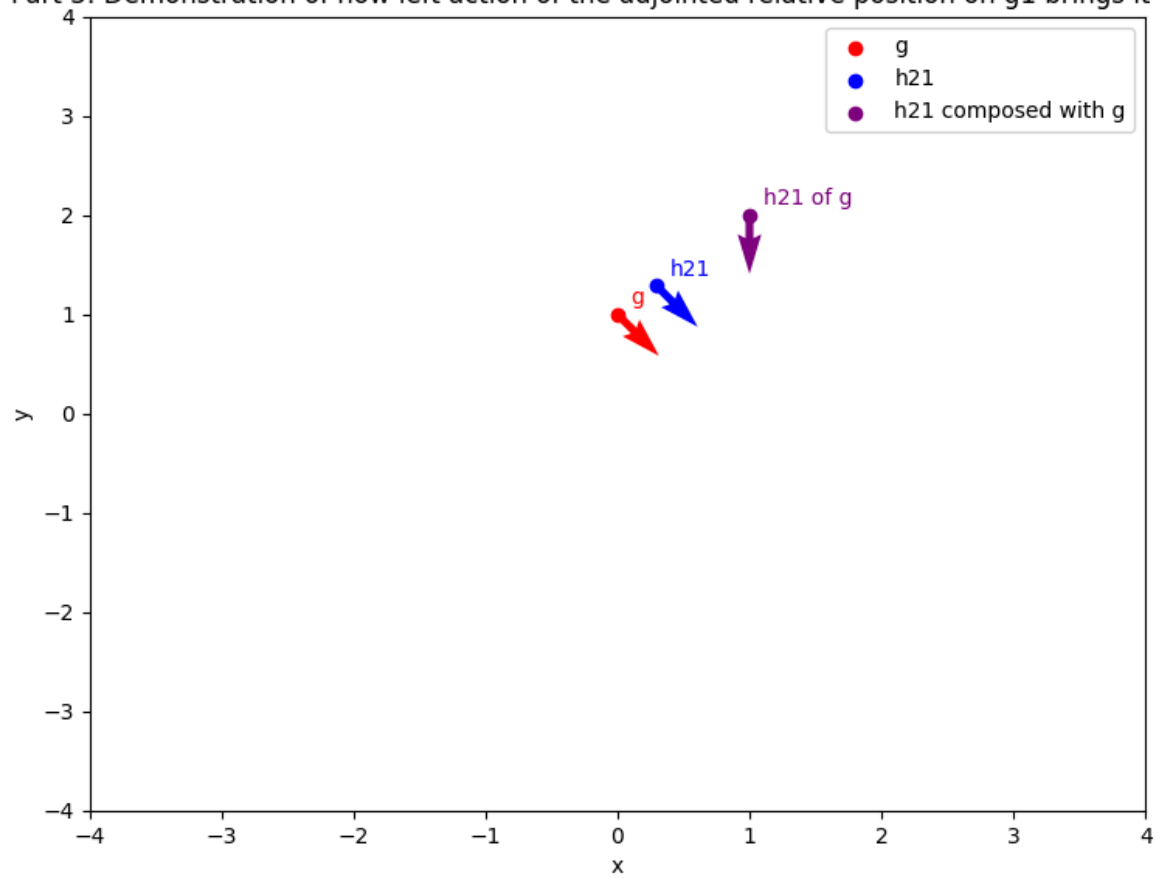
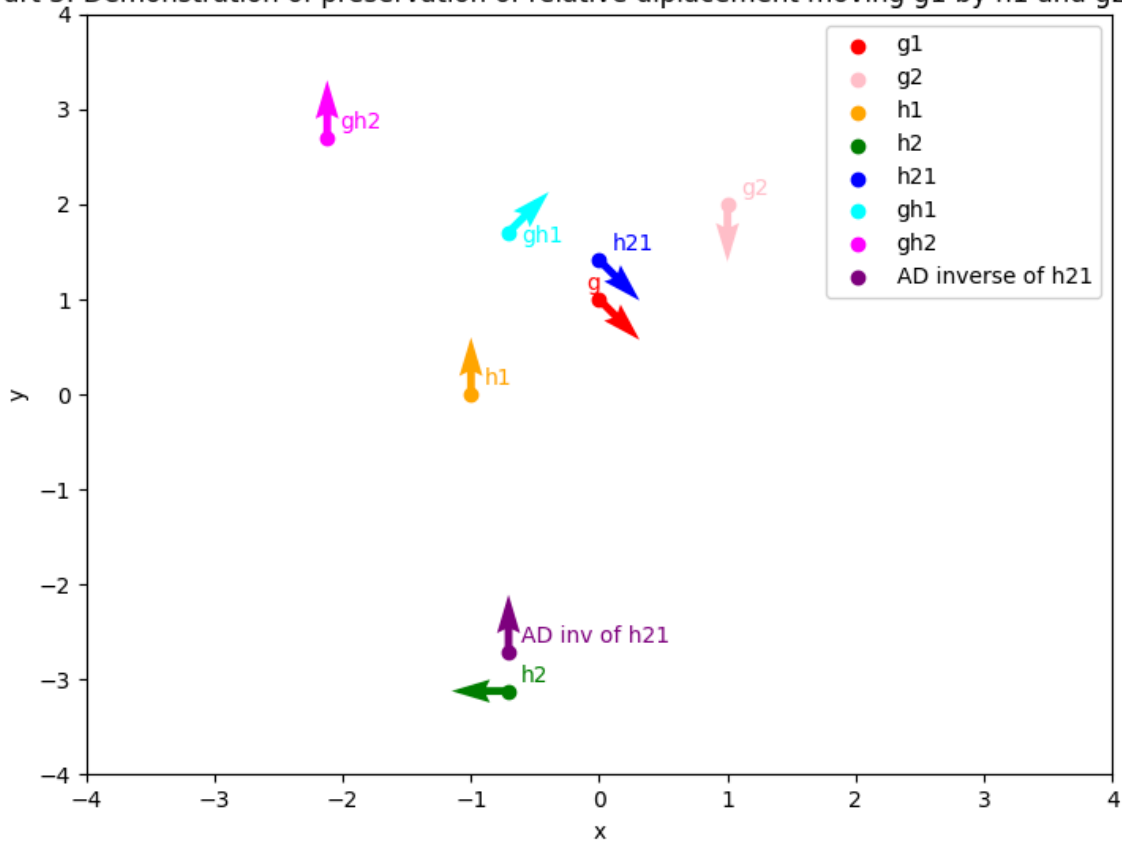Caption: Illustration of g, h, gh, hg, position of g relative to h, position of h relative to g (using matrix)

Part 3:

Part 3: Demonstration of how left action of the adjointed relative position on g1 brings it to g2

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

Here is the link to my public ROB541 github repository:
https://github.com/chelsevanatter/ROB541.git