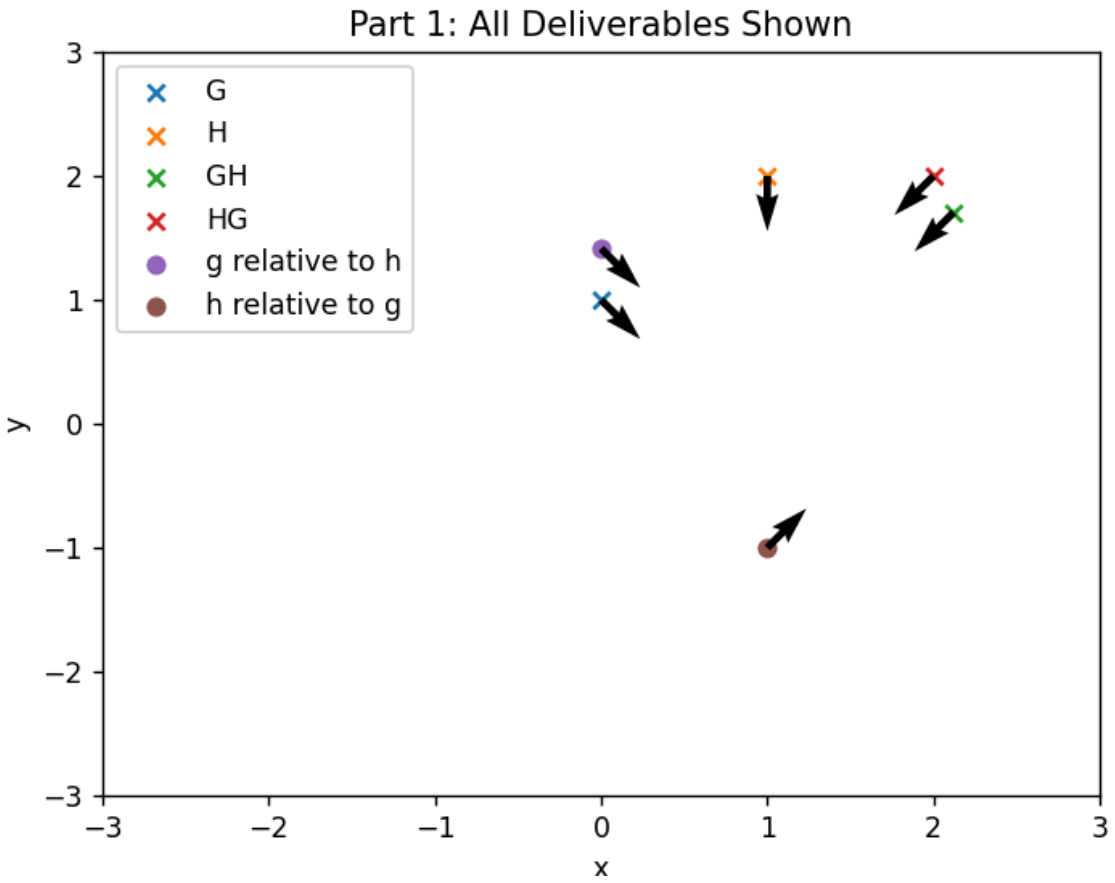
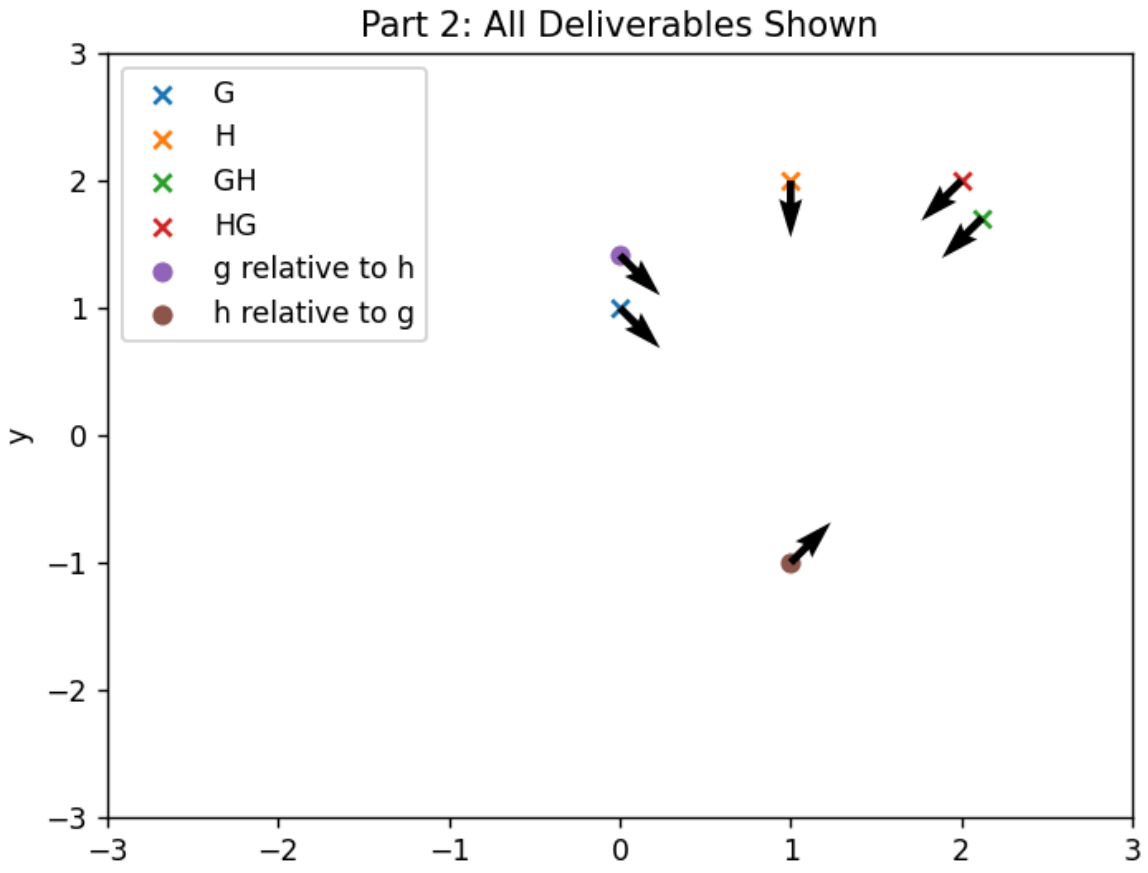
Part 1.



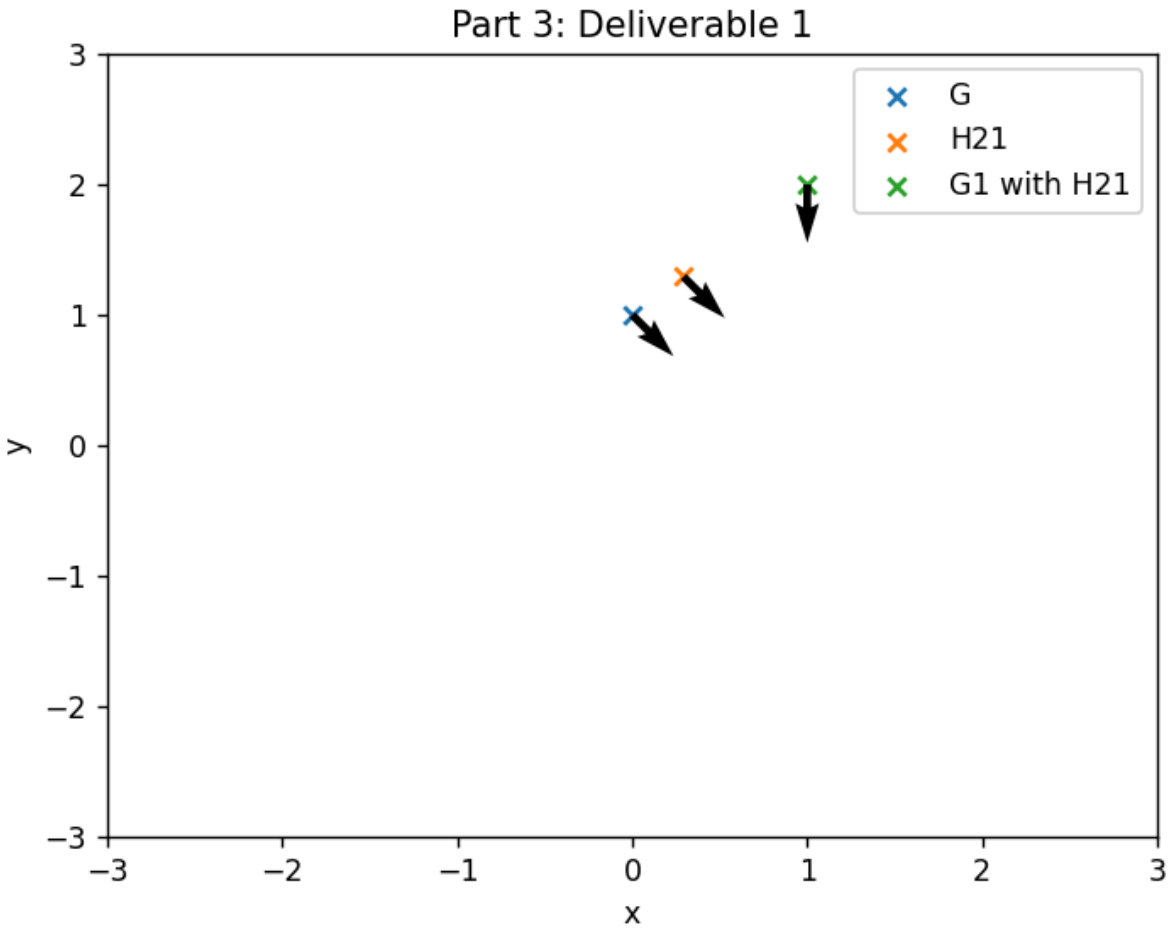
Caption: Graph that shows G, H, GH, HG, G with respect to H, and H with respect to G not using matrix

Part 2:

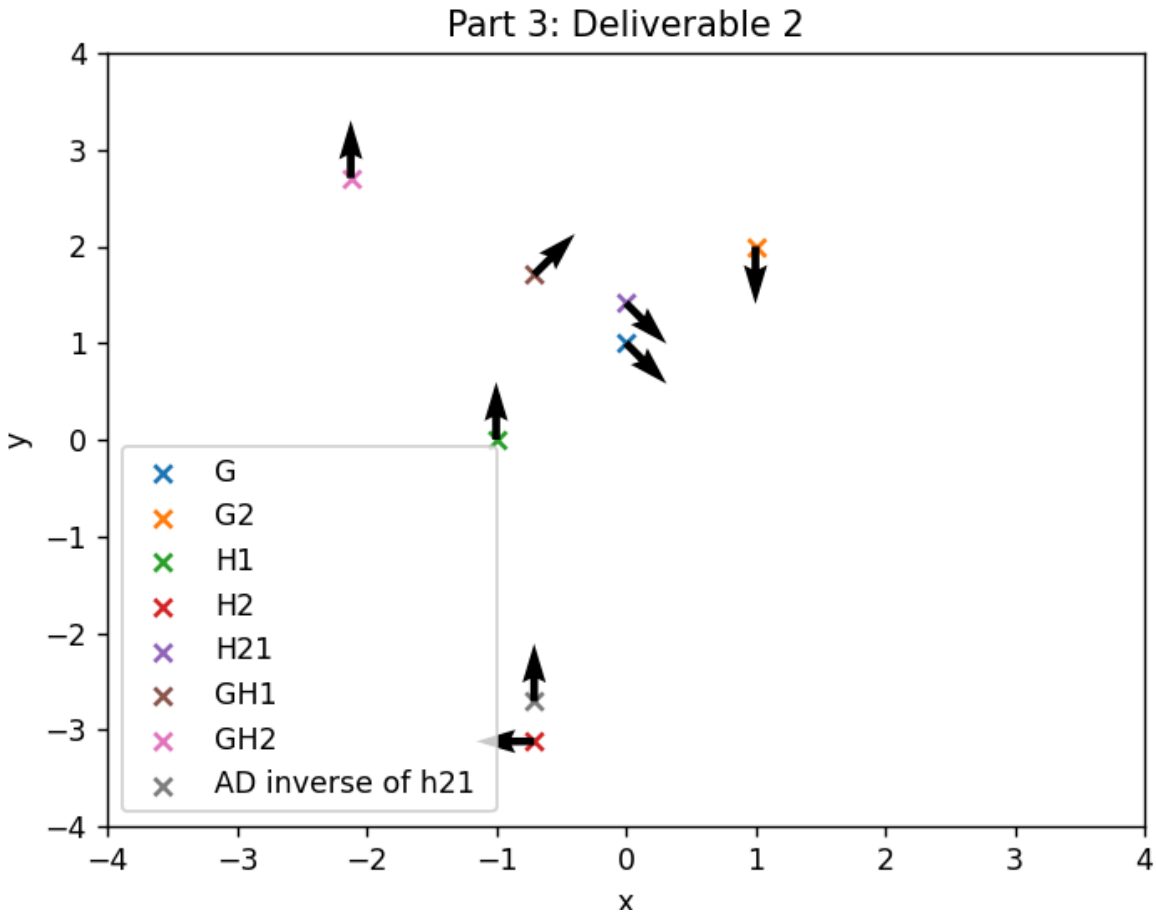


Caption: Graph that shows G, H, GH, HG, G with respect to H, and H with respect to G using matrix

Part 3:



Caption: Graph showing H21 (H2 with respect to H1) and as you can see G1 with H21 takes us to G2 (same position)



Caption: Showing graph with G, G2, G1, G2, G21, GH1, GH2, and AD inverse of h21. As you can see the relative displacements are preserved

Github to code for this (it is public so you should have access)

ryanschofield9/ROB541 (github.com)