Spring 2021, Math 621: Preliminary Problem Set 3 Due: Thursday, February 11th, 2021 Homotopy Equivalence (Week 1)

Preliminary problems. These should be submitted to Gradescope before Thursday discussion.

(P1) Write an explicit deformation retraction from $X = I \times I$ to the subspace $A = I \times \{\frac{1}{2}\} \subset X$.