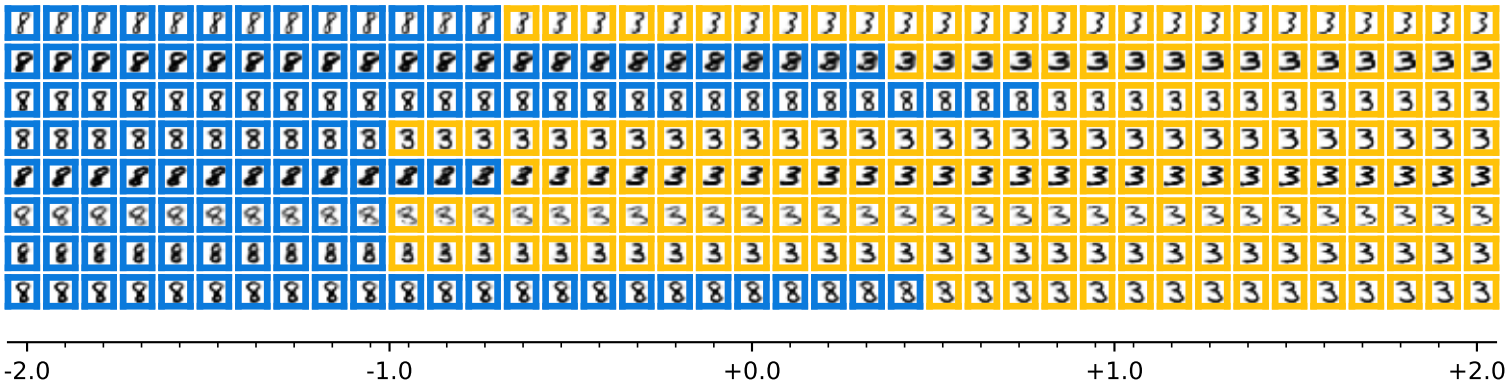Sweep over α_1