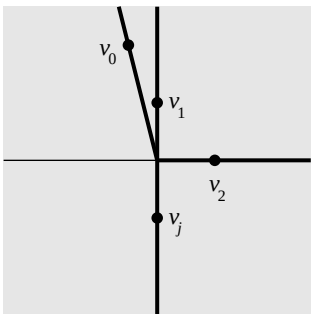
v_0
v_1
v_2
v_j