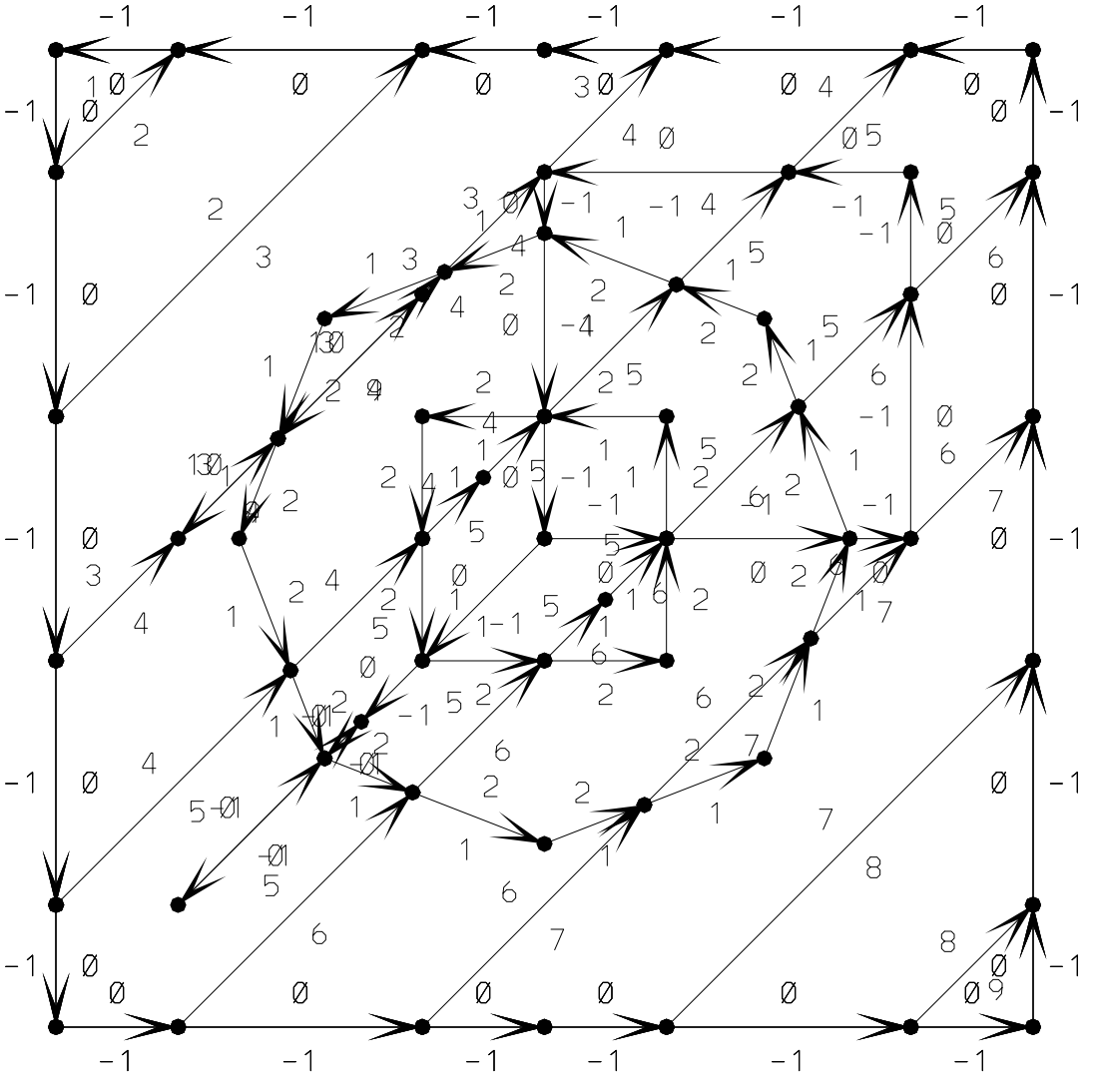AFTER FINDING POINTS OF INTERSECTION - ALL GROUPS