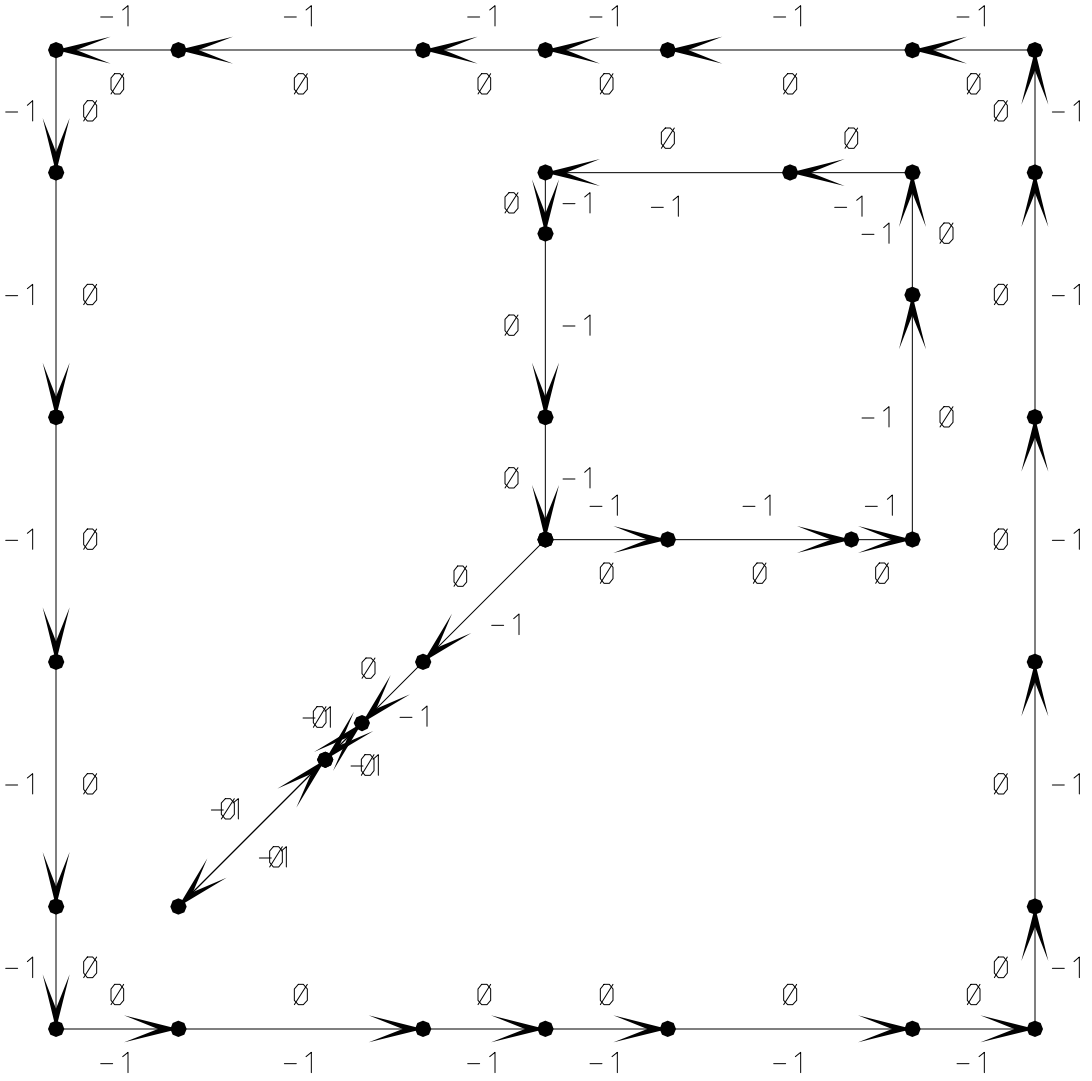AFTER FINDING POINTS OF INTERSECTION - GROUP 5