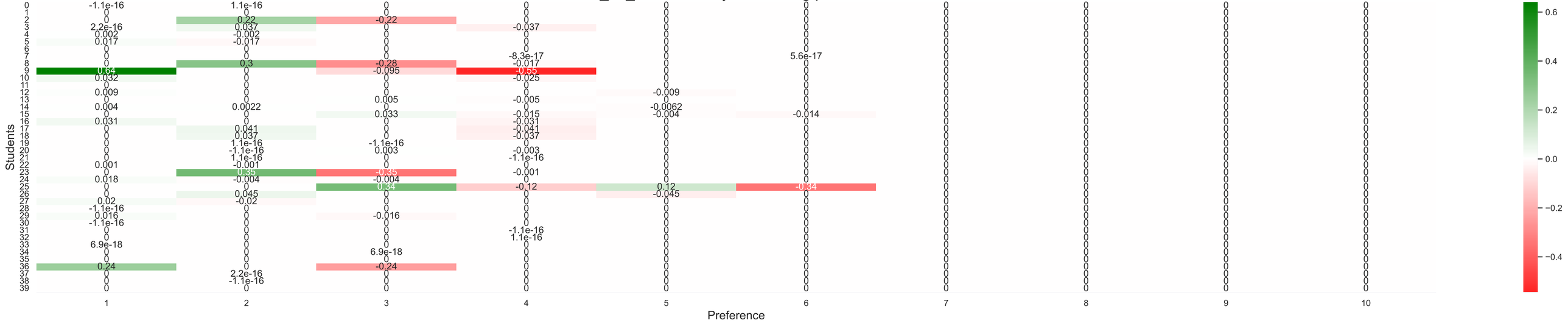40_10_10: ranked by decreasing preference