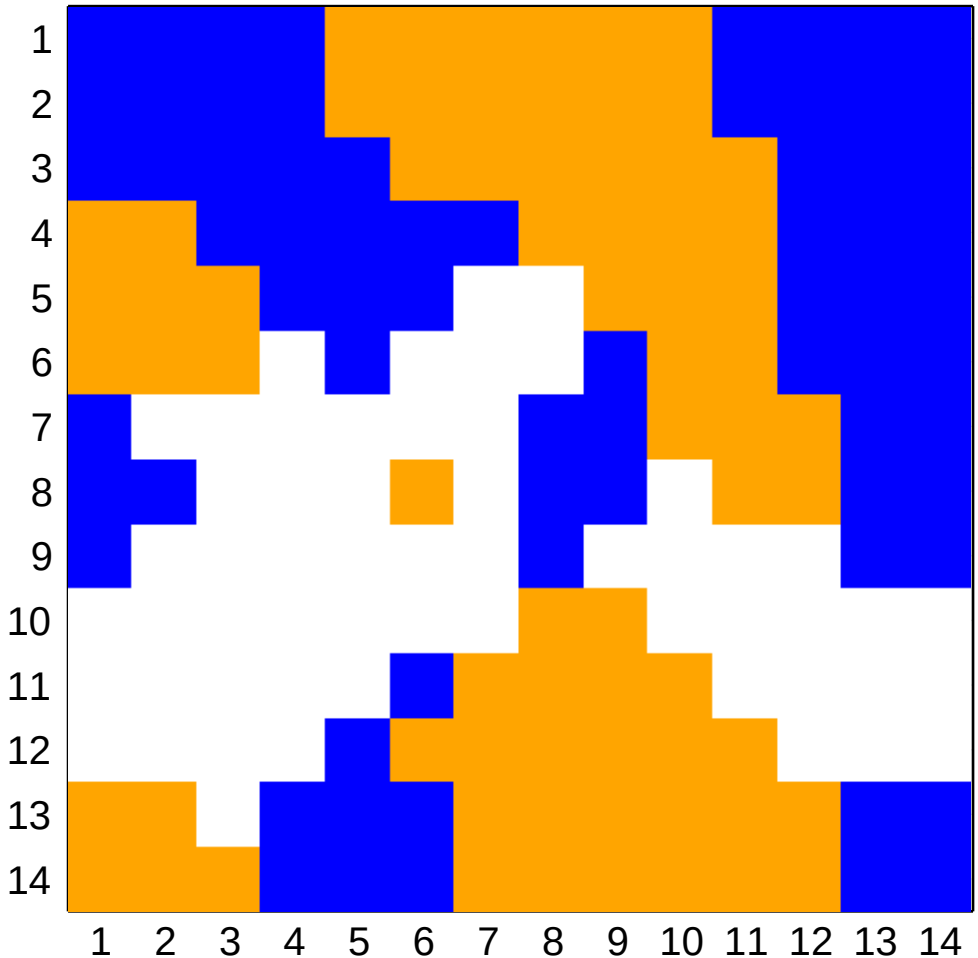iteration=45, R=135.0