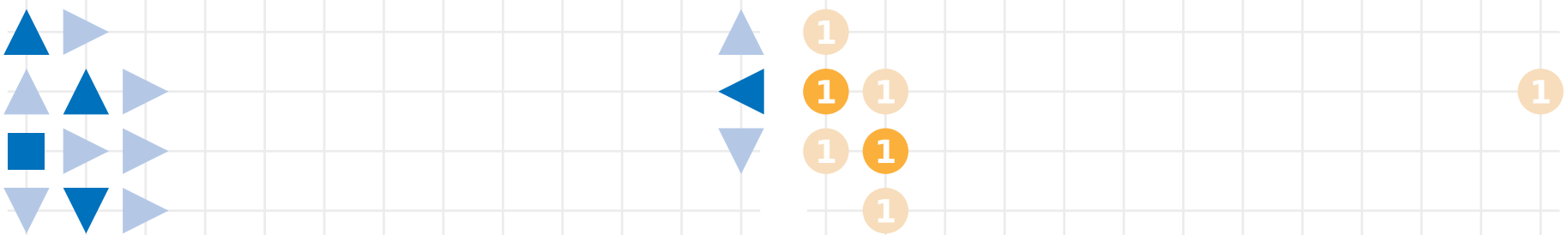iter. 47.4