- 8.1 Any language in SPACE(f(n)) as defined using the two-tape read-only model can be simulated with a single tape model using at most O(n) space. Similarly, any language in SPACE(f(n)) as defined using a single tape model can be simulated with a two-tape read-only model with an improvement of a most O(n) space. Thus, the complexity classes are equivalent where $f(n) \geq n$.
- 8.2 The winning strategy for X is to move to the top-right position. O can then move to block only either the top-centre or centre-right position. If O moves to the top-centre, X moves to the centre-right. If O move to the centre-right, X moves to the top-centre.