

Problem Set 3

1. $\left(\frac{1}{2}\right)^2 = 0.25$

2.

$i := 1..2$ Common grandparents

$$\sum_i \left(\frac{1}{2}\right)^4 = 0.125 \quad 4 \text{ meioses}$$

3. Pure B is an ESS for single and repeated play. Prisoner's Dilemma; probabilistically repeated play may allow conditional cooperation as another ESS.