

Question 20

- *Steal* is a weakly dominant strategy for each player and thus $(\textit{Steal}, \textit{Steal})$ is a weak dominant-strategy equilibrium.

| | | Player 2 (Steven) | |
|------------------|-------|-------------------|-------|
| | | Split | Steal |
| Player 1 (Sarah) | Split | 3 3 | 2 4 |
| | Steal | 4 2 | 2 2 |

- *Split* is a strictly dominant strategy for Player 1, while *Steal* is a weakly (but not strictly) dominant strategy for Player 2 and thus $(\textit{Split}, \textit{Steal})$ is a weak dominant-strategy equilibrium.

| | | Player 2 (Steven) | |
|------------------|-------|-------------------|-------|
| | | Split | Steal |
| Player 1 (Sarah) | Split | 4 3 | 2 4 |
| | Steal | 3 2 | 1 2 |