Games in Strategic Form : Examples

Example 1 : A "Zero–Sum Game

$$\begin{pmatrix} 1\backslash 2 & L & R \\ t & (4,-6) & (-6,4) \\ b & (-6,4) & (4,-6) \end{pmatrix}$$

Example 2 : A Coordination Game

$$\begin{pmatrix} 1\backslash 2 & L & R \\ t & (5,5) & (0,0) \\ b & (0,0) & (5,5) \end{pmatrix}$$

Example 3 : Prisoners' Dilemma

$$\begin{pmatrix} 1\backslash 2 & L & R \\ t & (2,2) & (7,0) \\ b & (0,7) & (6,6) \end{pmatrix}$$

Example 4

$$\begin{pmatrix} 1\backslash 2 & L & R \\ t & (2,4) & (7,0) \\ b & (0,0) & (6,6) \end{pmatrix}$$

Example 5

$$\begin{pmatrix} 1\backslash 2 & L & R \\ t & (5,5) & (0,0) \\ b & (0,0) & (0,0) \end{pmatrix}$$

Example 6

$$\begin{pmatrix} 1\backslash 2 & L & R \\ t & (5,5) & (8,0) \\ m & (8,4) & (-1,3) \\ b & (0,3) & (7,7) \end{pmatrix}$$

Example 7 : (example 6 with the bottom row removed)

$$\begin{pmatrix} 1\backslash 2 & L & R \\ t & (5,5) & (8,0) \\ m & (8,4) & (-1,3) \end{pmatrix}$$

Example 8

$$\begin{pmatrix} 1\backslash 2 & L & CL & CR & R \\ t & (1,0) & (1,0) & (1,0) & (1,0) \\ mt & (0,2) & (2,1) & (2,1) & (2,1) \\ mb & (0,2) & (1,3) & (3,2) & (3,2) \\ b & (0,2) & (1,3) & (2,4) & (4,3) \end{pmatrix}$$

Example 9 : One Nash Equilibrium

$$\begin{pmatrix} 1\backslash 2 & L & C & R \\ t & (1,6) & (2,3) & (4,5) \\ b & (0,2) & (1,4) & (5,3) \end{pmatrix}$$

Example 10 : No Nash Equilibrium in Pure Strategies

$$\begin{pmatrix} 1\backslash 2 & L & R \\ t & (1,1) & (0,8) \\ b & (0,6) & (5,5) \end{pmatrix}$$

Example 11: More than One Nash Equilibrium

$$\begin{pmatrix} 1\backslash 2 & L & R \\ t & (6,1) & (0,0) \\ b & (5,9) & (1,10) \end{pmatrix}$$

Example 12

$$\begin{pmatrix} 1\backslash 2 & aA,bA & aA,bB & aB,bA & aB,bB \\ a & (1,2) & (1,2) & (3,3) & (3,3) \\ b & (0,8) & (6,4) & (0,8) & (6,4) \end{pmatrix}$$

Example 13

$$\begin{pmatrix} 1\backslash 2 & aA, bA & aA, bB & aB, bA & aB, bB \\ a & (-5,2) & (-5,2) & (3,3) & (3,3) \\ b & (0,8) & (6,4) & (0,8) & (6,4) \end{pmatrix}$$

Example 14 : Entry Deterrence

$$\begin{pmatrix} 1\backslash 2 & PW & A \\ no & (0,10) & (0,10) \\ enter & (-2,-2) & (5,5) \end{pmatrix}$$