For the following matrix game, reduce by domination and solve P 10 3 1-P 2 6 10p+2(1-p) = 3p+6(1-p) 8p+2=-3p+6 11p=4 p=4 103+ 3(1-9)=29+6(1-9) $lo\left(\frac{3}{11}\right) + \frac{3}{8}\left(\frac{8}{11}\right)$ 79 +3 = -49+6 30+24= 34 119=3 9=# Player 1 BK (4,311,0), Player 1 (1), 1, 0,0) 10(4)+2(元) value of game is 54 1.2 $\begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix} \quad \begin{array}{c} \text{Diagonal} \quad \frac{V_1}{V_1 + V_1 + V_1} = \frac{1}{3} = V \end{array}$ optimal strategy <(1/2, 1/2, 1/2, 0,0), (1/2,0,1/2, 1/2,0)> 1.3 Diagonal $\frac{1}{1+1+1+1} = 1 = 1$ 1 0 0 6 0 1 0 0 0 0 1 0 0 0 0 1 Optimal Stunlegy (L/V, 1/V, 0, 1/V, 0), (1/V, 0, 1/V, 0, 1/V)> Solve the following symmetric games 2.1 f 0 1 -2 f2 -1 6 3 f3 2 3 0 $-p_2 + 2p_3 \ge 0$ $2p_3 \ge p_2$ $p_1 - 3p_5 \ge 0$ $p_1 \ge 3p_3$ $-2p_1 + 3p_2 \ge 0$ $3p_2 \ge 2p_1$

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$$\frac{1}{10} \begin{bmatrix} 0 & 1 & -2 \\ \frac{1}{10} \begin{bmatrix} 0 & 1 & -2 \\ -1 & 0 & 3 \\ \frac{1}{10} \begin{bmatrix} 0 & 1 & -2 \\ -1 & 0 & 3 \\ \frac{1}{10} \begin{bmatrix} 0 & 1 & -2 \\ -1 & 0 & 3 \\ \frac{1}{10} \begin{bmatrix} 0 & 1 & -2 \\ -1 & 0 & 3 \\ \frac{1}{10} \begin{bmatrix} 0 & 1 & -2 \\ -1 & 0 & 3 \\ \frac{1}{10} \begin{bmatrix} 0 & 1 & -2 \\ -2p_1 & 1 & 9p_2 & 20 \end{bmatrix} & p_1 & 2p_3 & 2p_3 & p_1 & p_2 & p_3 \\ p_1 & -3p_3 & 2p_2 & 2p_3 &$$

A'A
$$q = A^{-1}b$$

$$q = \frac{386b}{[2355)}$$

$$q_3 = \frac{1354}{[2353]}$$

$$\begin{bmatrix} 52 \\ 193 \end{bmatrix} \begin{bmatrix} 0 & 5 & 2 \\ 50/43 \\ -3 & 0 & 4 \\ 4/153 \\ -6 & -4 & 0 \end{bmatrix} + \begin{bmatrix} 71 \\ 92 \\ 73 \end{bmatrix} = \begin{bmatrix} 11/43 \\ 14/143 \\ -14$$



