

Support Enumeration Algorithm (von Dejenete)

- 1 All $1 \leq k \leq \min(m, n)$
- 2 (I, γ)
3. Solve linear equations "indifference"
4. Find probabilities
5. Check B.K

$$A = \begin{pmatrix} 1 & 1 & -1 \\ 2 & -1 & 0 \end{pmatrix}$$

$$B = \begin{pmatrix} \frac{1}{2} & -1 & -\frac{1}{2} \\ -1 & 3 & 2 \end{pmatrix}$$

$$I = (1, 2)$$

$$\gamma \in \{ (1, 2), (1, 3), (2, 3) \}$$

$$I = \gamma = (1, 2)$$

$$\frac{1}{2} \sigma_{r1} - 1 \sigma_{r2} = -\sigma_{r1} + 3 \sigma_{r2}$$

$$\frac{3}{2} \sigma_{r1} = 4 \sigma_{r2}$$

$$\sigma_{r1} = \frac{8}{3} \sigma_{r2}$$

but:

$$\sigma_{r1} + \sigma_{r2} = 1$$

$$\sigma_r = \left(\frac{8}{11}, \frac{3}{11} \right)$$

$$\sigma_{c1} + \sigma_{c2} = 2\sigma_{c1} - \sigma_{c2}$$

$$2\sigma_{c2} = \sigma_{c1}$$

but

$$\sigma_{c1} + \sigma_{c2} = 1$$

$$\sigma_c = \left(\frac{1}{3}, \frac{2}{3}, 0 \right)$$

$$\sigma_r B = \begin{pmatrix} \frac{1}{11} & \frac{1}{11} & \frac{2}{11} \end{pmatrix} \quad \text{Not } \in NE$$

$$A = \begin{pmatrix} 1 & 1 & -1 \\ 2 & -1 & 0 \end{pmatrix}$$

$$B = \begin{pmatrix} \frac{1}{2} & -1 & -\frac{1}{2} \\ 1 & 3 & 2 \end{pmatrix}$$

$$I = (1, 2)$$

$$J = (2, 3)$$

$$b_{r_1} + 3b_{r_2} = -\frac{1}{2}b_{r_1} + 2b_r$$

$$b_{r_1} = 2b_{r_2}$$

$$b_r = \left(\frac{2}{3}, \frac{1}{3} \right)$$

$$b_{c_2} - b_{c_3} = -b_{c_2} + 0b_{c_3}$$

$$2b_{c_2} = b_{c_3}$$

$$b_c = \left(0, \frac{1}{3}, \frac{2}{3} \right)$$

$$b_r B = \begin{pmatrix} 0 & \frac{1}{3} & \frac{1}{3} \end{pmatrix}$$

N.E.