

$$x_i \in \{0, 1\}.$$

$$\frac{P(x_i = 1, X_{-i}; \theta)}{P(x_i = 0, X_{-i}; \theta)} = \frac{e^{\{\theta_i + \sum_{(s,i) \in E} \theta_{s,i} x_s\}}}{e^{\{0 + \sum_{(s,i) \in E} \theta_{s,i} x_s \cdot 0\}}}$$

$$= \frac{e^{\{\theta_i + \sum_{(s,i) \in E} \theta_{s,i} x_s\}}}{e^{\{0 + \sum_{(s,i) \in E} \theta_{s,i} x_s \cdot 0\}}}$$

$$P(x_i = 1 | X_{-i}; \theta) = \frac{P(x_i = 1, X_{-i}; \theta)}{\sum_{v \in \{0, 1\}} P(x_i = v, X_{-i}; \theta)}$$

$$= \frac{\exp(\theta_i + \sum_{(s,i) \in E} \theta_{s,i} x_s)}{1 + \exp(\theta_i + \sum_{(s,i) \in E} \theta_{s,i} x_s)}$$

If you alternatively assume  $x_i \in \{-1, 1\}$ .

$$P(x_i = 1 | X_{-i}; \theta) = \frac{\exp\{2\theta_i + 2 \sum_{(s,i) \in E} \theta_{s,i} x_s\}}{1 + \exp\{2\theta_i + 2 \sum_{(s,i) \in E} \theta_{s,i} x_s\}}$$