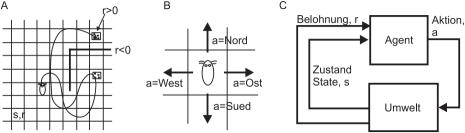
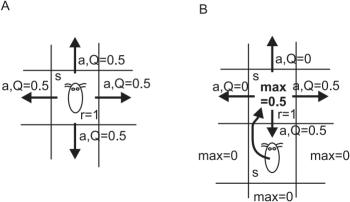
$$Q(s, \mathrm{Ost})$$

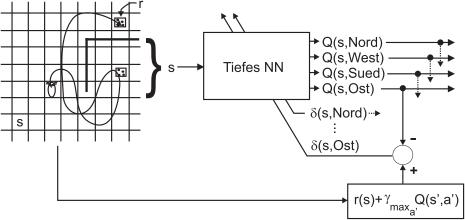




$$Q(s, a) \leftarrow Q(s, a) + \alpha \underbrace{\left[r(s) + \gamma \max_{a'} Q(s', a') - Q(s, a)\right]}_{\delta(s, a)}$$

$$\max_{a'} Q(s', a')$$

$$Q(s,a) = \sum_{t=0}^{T} \gamma^t r_t$$



$$Q(s, Nord), Q(s, Sued), Q(s, West), Q(s, Ost)$$