ε-greedy proposal for action selection in Deep Q-Networks (DQN):

$z_i = \mathbf{Q}(s, a_i) + \frac{1}{\sqrt{n}}$

$$\text{softmax}(z_i) = \frac{\exp(z_i)}{\sum_{j=1}^{K} \exp(z_j)}, \qquad i = 1, \ldots, K. \tag{1}$$