Slide 1

$$\hat{v}(x) \leftarrow v(x) + \alpha(r + \gamma\hat{v}(x') - \hat{v}(x))$$

Slide 2

$$\hat{\epsilon}_{0.7}(x) \leftarrow \hat{\epsilon}_{0.7}(x) + 0.7\alpha(r + \gamma z' - \hat{\epsilon}_{0.7}(x)) \quad \text{(positive prediction errors)}$$
$$\hat{\epsilon}_{0.7}(x) \leftarrow \hat{\epsilon}_{0.7}(x) + 0.3\alpha(r + \gamma z' - \hat{\epsilon}_{0.7}(x)) \quad \text{(negative prediction errors)}$$

$$\hat{\epsilon}_{0.5}(x) \leftarrow \hat{\epsilon}_{0.5}(x) + 0.5\alpha(r + \gamma z' - \hat{\epsilon}_{0.5}(x)) \quad \text{(positive and negative errors)}$$

$$\hat{\epsilon}_{0.3}(x) \leftarrow \hat{\epsilon}_{0.3}(x) + 0.3\alpha(r + \gamma z' - \hat{\epsilon}_{0.3}(x)) \quad \text{(positive prediction errors)}$$
$$\hat{\epsilon}_{0.3}(x) \leftarrow \hat{\epsilon}_{0.3}(x) + 0.7\alpha(r + \gamma z' - \hat{\epsilon}_{0.3}(x)) \quad \text{(negative prediction errors)}$$

Slide 4