$$\mathcal{L}_{critic} = E_{(s_t,a_t,g,r_t,s_{t+1})\sim B}\big[(\sum_{i=0}^{H-1}\gamma^i\hat{r}_{t+i}+\gamma^H Q(\hat{s}_{t+H},\pi(\hat{s}_{t+H},g),g)-Q(s_t,a_t,g))^2\big],$$