challenging Montezuma's Revenge
intrinsic motivation in RL
Michal CHOVANEC

loss

$$
\begin{aligned}
\mathcal{L}(\theta) = & (R_a^{ext} - V_a^{ext}(\theta))^2 + (R_a^{int} - V_a^{int}(\theta))^2 + \\
& (R_b^{ext} - V_b^{ext}(\theta))^2 + (R_b^{int} - V_b^{int}(\theta))^2 + \\
& - \frac{\pi_a^\theta(a_a|s,g)}{\pi_a^{\theta'}(a_a|s,g)} A_a - \frac{\pi_b^\theta(a_b|s,g)}{\pi_b^{\theta'}(a_b|s,g)} A_b + \\
& \eta H(\pi_a^\theta) + \eta H(\pi_b^\theta)
\end{aligned}
$$