$\tilde{b} : (\mu, \sigma) = \phi(b)$
belief

μ

σ

$\mathbf{p}$

v

$\mathbf{p} = P_\theta(\tilde{b}, \cdot)$ policy

$v = V_\theta(\tilde{b})$ value

$(P_\theta, V_\theta) = f_\theta$