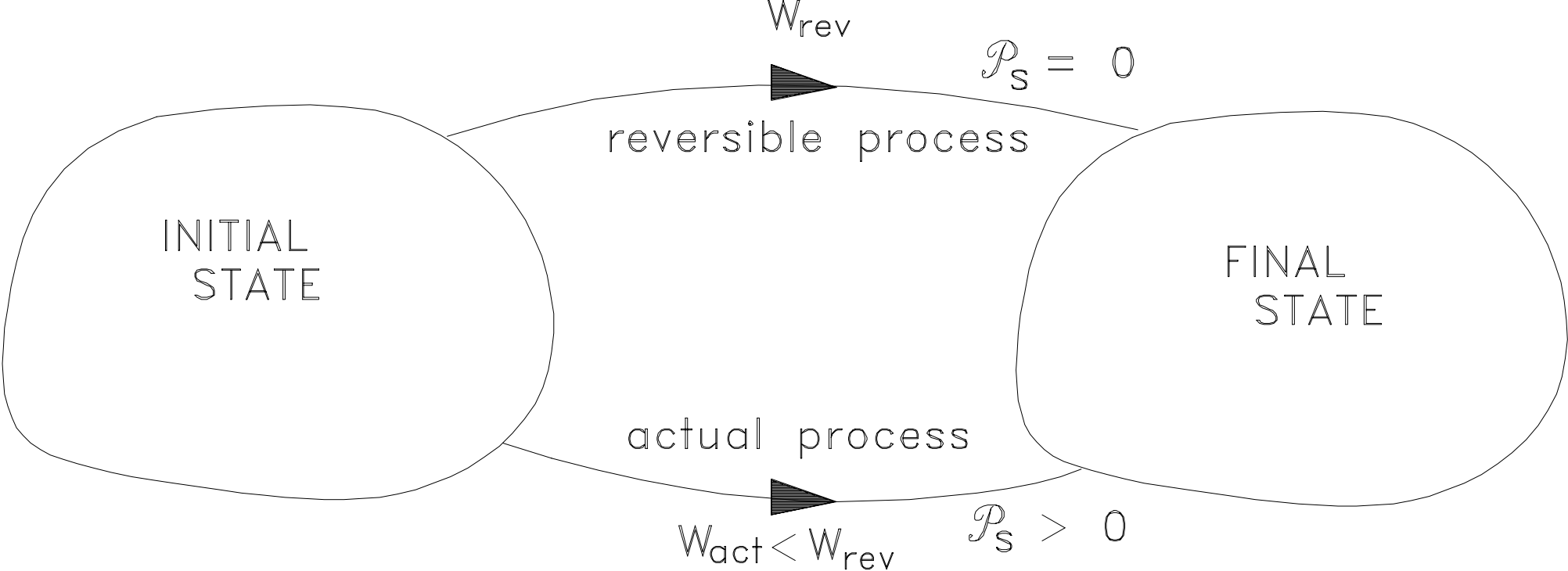
W_{rev}
$\mathcal{P}_s = 0$
reversible process
INITIAL STATE
FINAL STATE
actual process
$W_{act} < W_{rev}$
$\mathcal{P}_s > 0$