

```

@genjax.adef.E
def elbo(p, mu_1, mu_2):
    v = flip_reinforce_adef(p)
    (r, s) = (mu_1, 1.0) if v else (mu_2, 1.0)
    x = normal_reparam_adef(r, s)
    tr = {"v": v, "x": x}
    guide_p = (flip_density(v, p) *
               normal_density(x, r, s))
    model_p = density(model)(tr)
    return log(model_p / guide_p)

```