



 $P(a_u=Request(Forward)) = 0.9$ a_{u} $P(a_u=Request(Backward)) = 0.1$

 $a_m = Move(Forward)$ a_{m} Θ r₁₁(1,·)

Probability density 0.2 0.4 0.6 0.8 $\theta_{r11(1,1)}$

Step 3: after pruning and integration of evidence