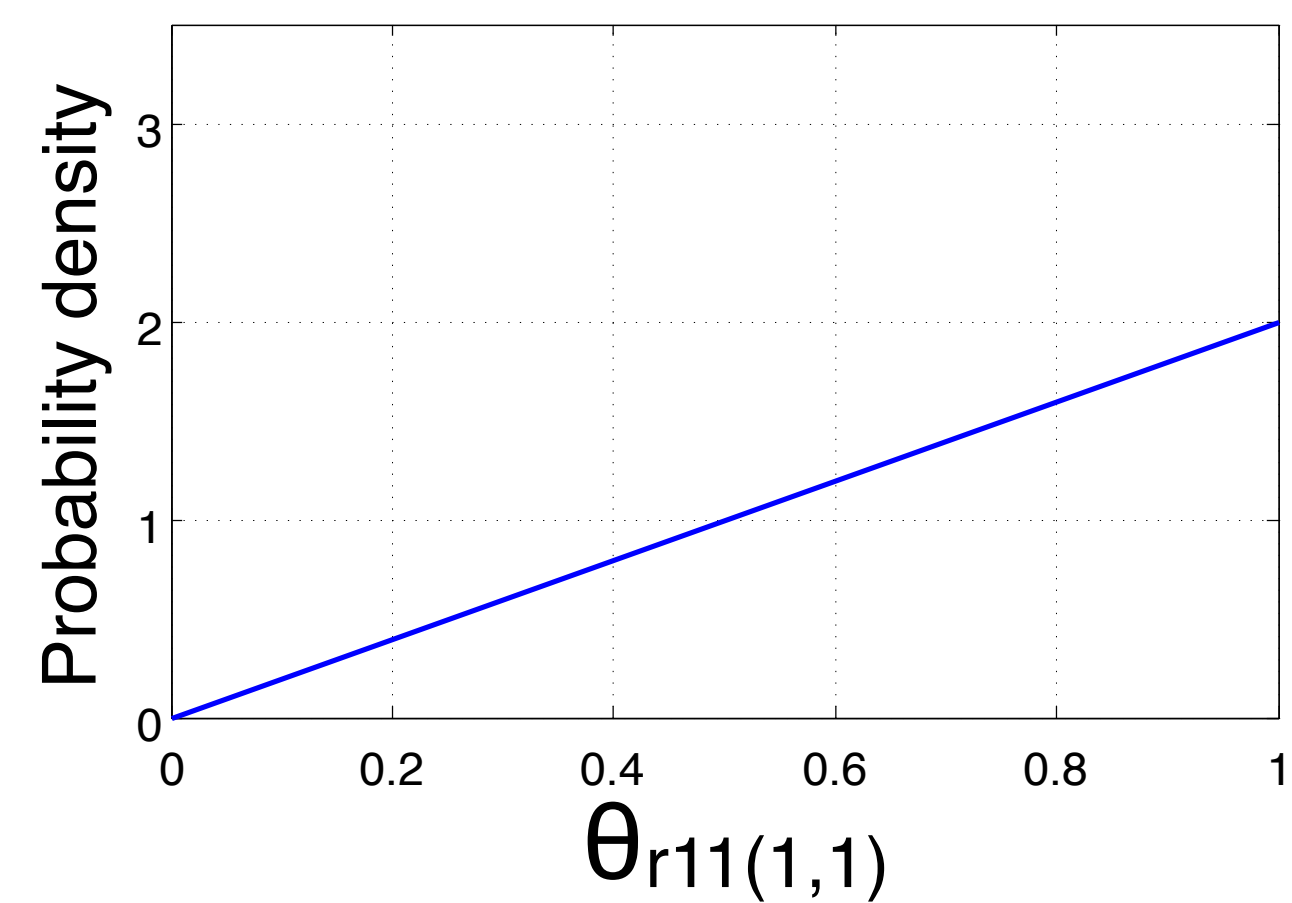
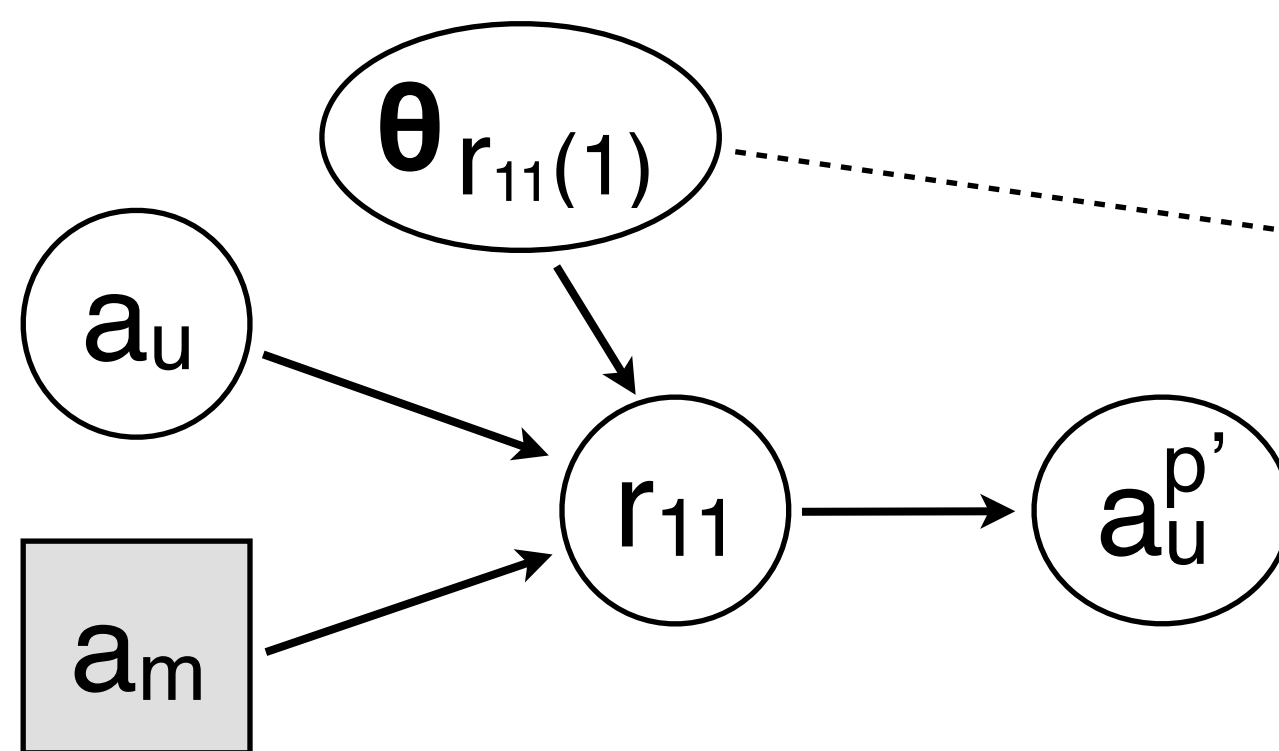


$$P(a_u = \text{Request}(\text{Forward})) = 0.6$$

$$P(a_u = \text{Request}(\text{Backward})) = 0.4$$

$a_m = \text{AskRepeat}$

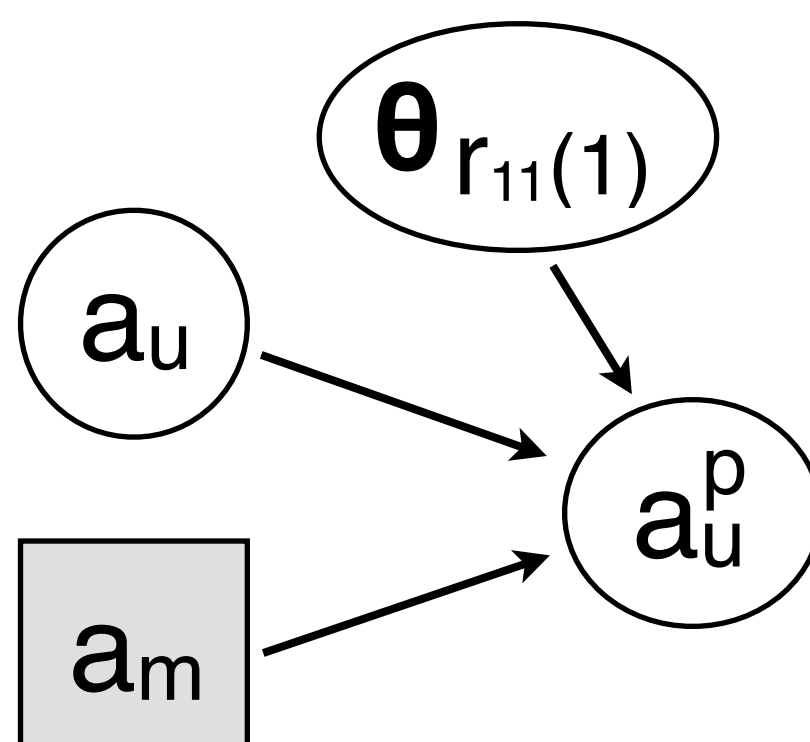


**Step 1:** triggering rule  $r_{11}$

$$P(a_u = \text{Request}(\text{Forward})) = 0.6$$

$$P(a_u = \text{Request}(\text{Backward})) = 0.4$$

$a_m = \text{AskRepeat}$

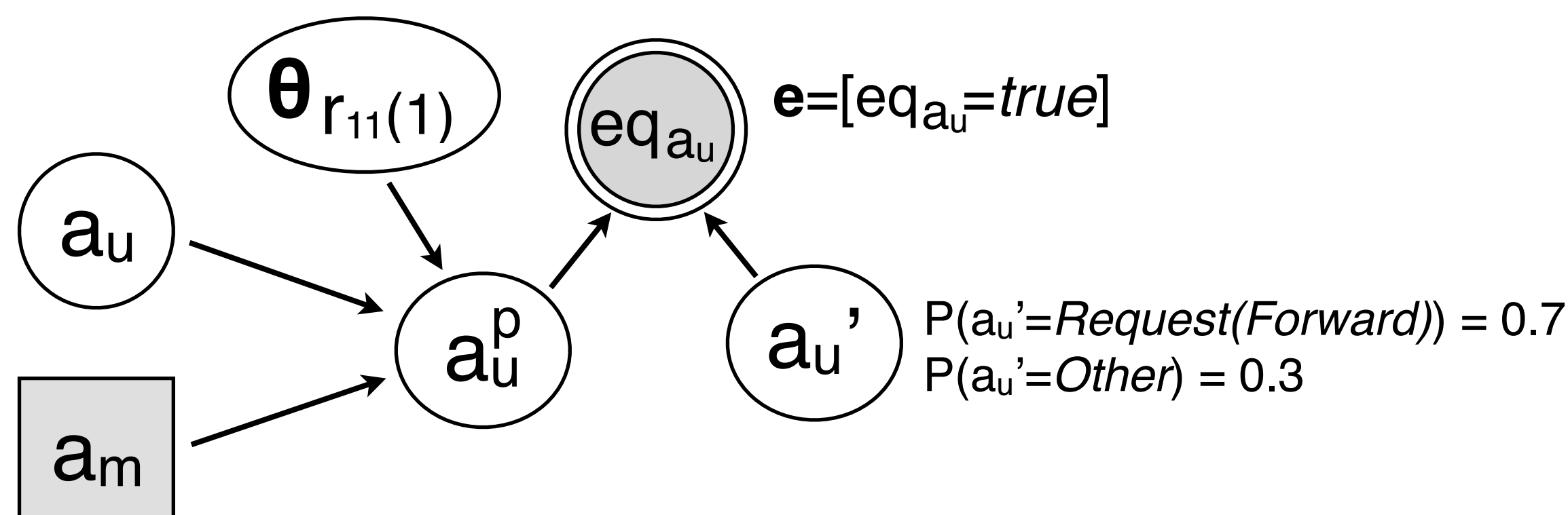


**Step 2:** after pruning

$$P(a_u = \text{Request}(\text{Forward})) = 0.6$$

$$P(a_u = \text{Request}(\text{Backward})) = 0.4$$

$a_m = \text{AskRepeat}$

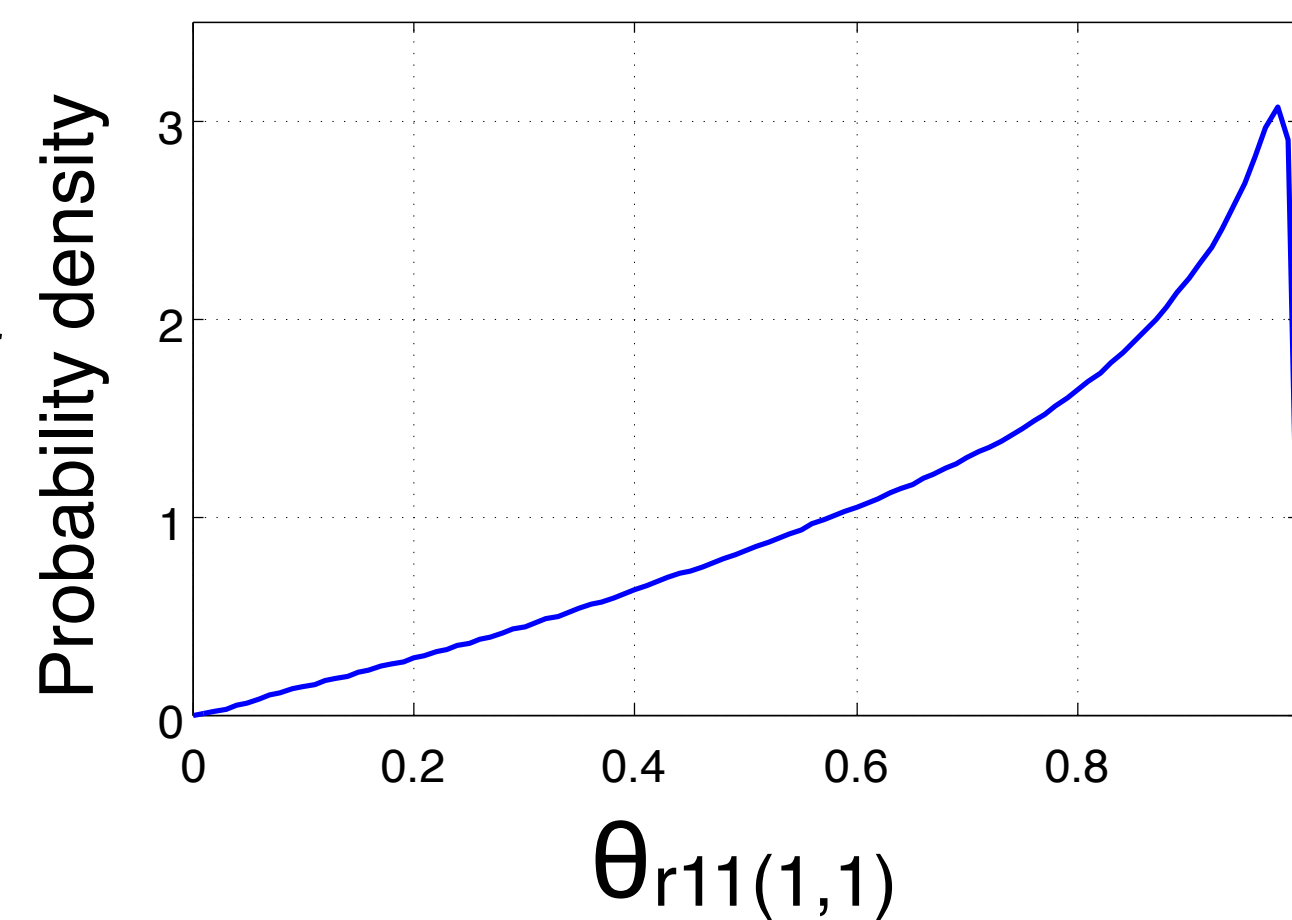
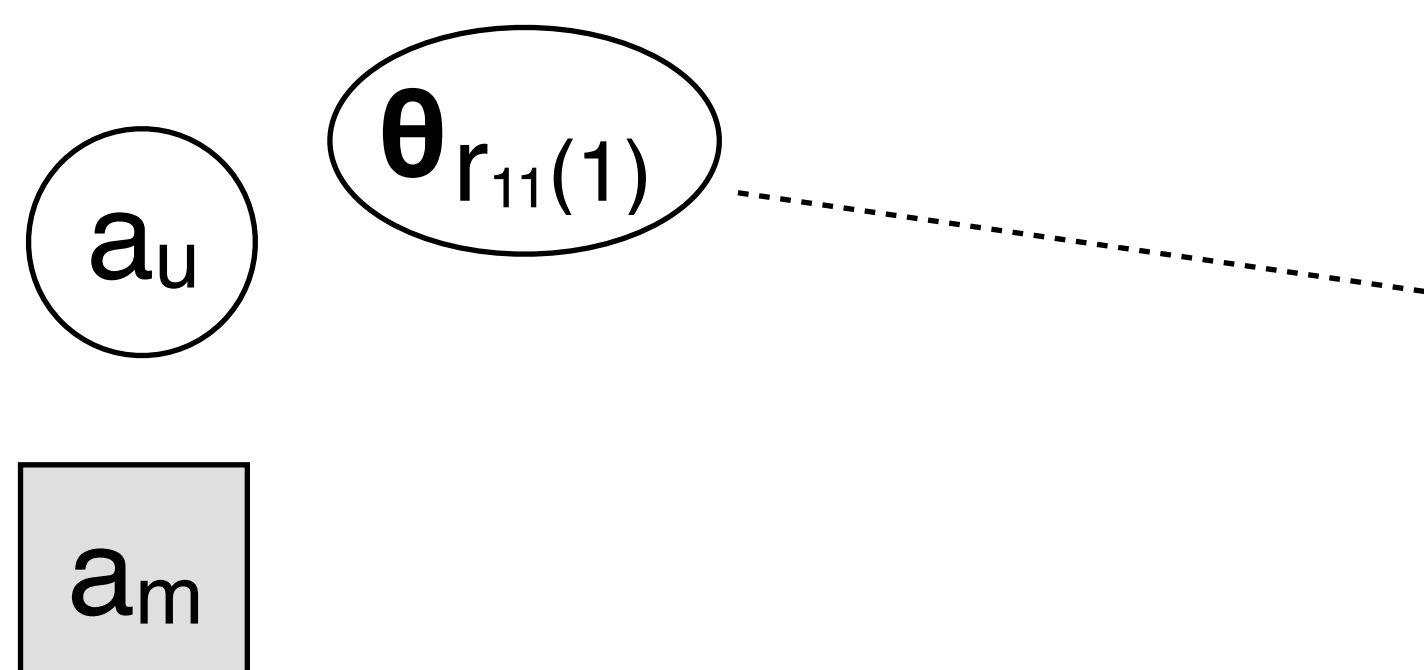


**Step 3:** upon observation of new user input

$$P(a_u = \text{Request}(\text{Forward})) = 0.94$$

$$P(a_u = \text{Other}) = 0.06$$

$a_m = \text{Move}(\text{Forward})$



**Step 4:** after pruning