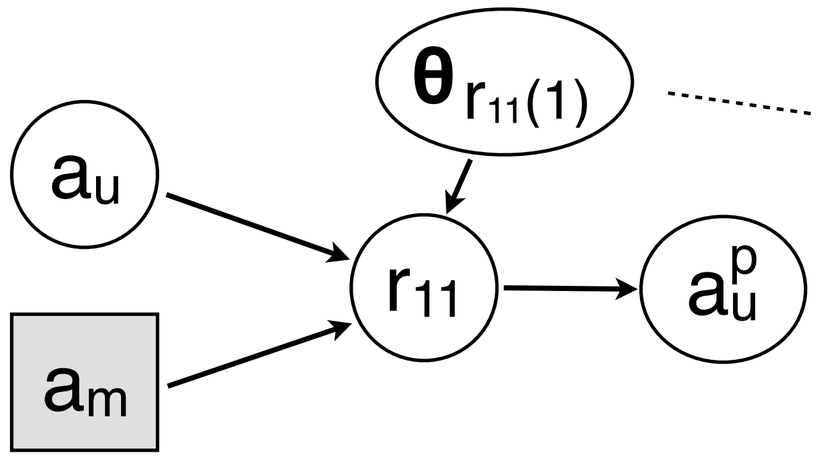
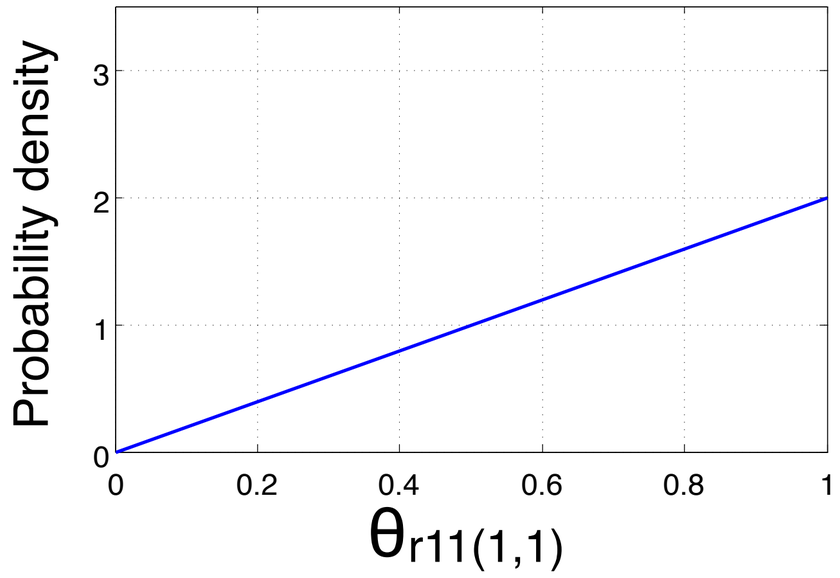
P(a_u=*Request(Forward)*) = 0.6
P(a_u=*Request(Backward)*) = 0.4

a_m = *AskRepeat*

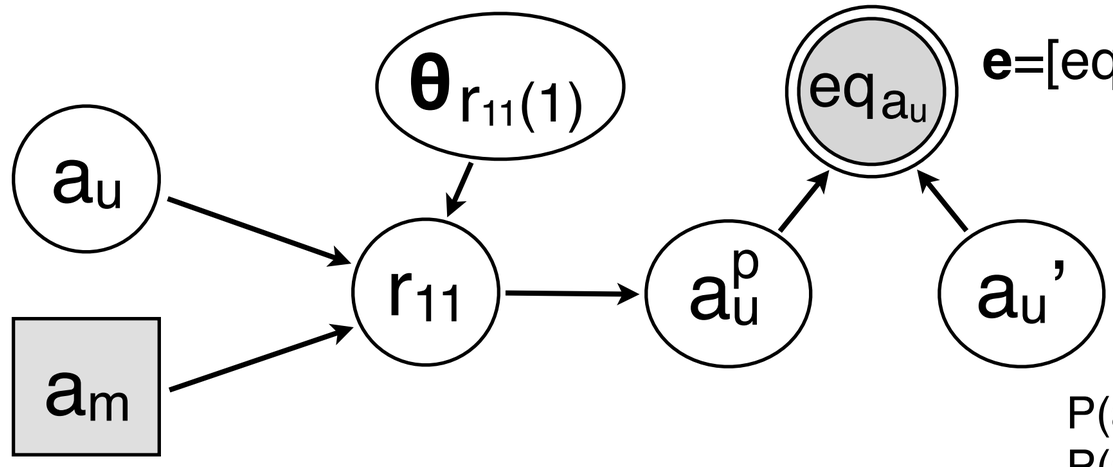




Step 1: before observation (prediction)

P(a_u=*Request(Forward)*) = 0.6
P(a_u=*Request(Backward)*) = 0.4

a_m = *AskRepeat*

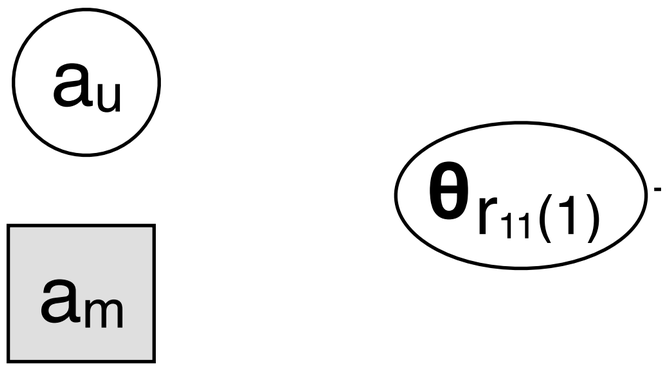


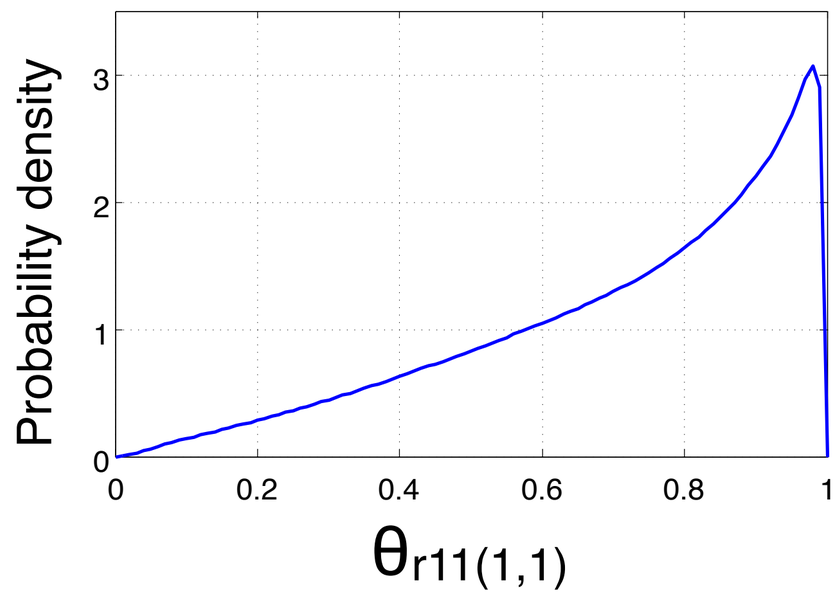
P(a_u'=*Request(Forward)*) = 0.7
P(a_u'=*Other*) = 0.2
P(a_u'=*Request(Backward)*) = 0.2

Step 2: upon observation of new user input

P(a_u=*Request(Forward)*) = 0.9
P(a_u=*Request(Backward)*) = 0.1

a_m = *Move(Forward)*





Step 3: after pruning and integration of evidence