Legend:



Start





Completed derivation:

1.	P(a,b,b)	Premise
2.	a = m	Premise
3.	g = b	Premise
4.	P(m,b,b)	=E: 1, 2
5.	g = g	=I
6.	b = g	=E: 5, 3
7.	P(m,g,b)	=E: 4, 6

1











