Philosophy 240: Symbolic Logic Hamilton College
Fall 2008 Russell Marcus
Mondays, Wednesdays, Fridays: 9am - 9:50am rmarcus1@hamilton.edu

Identity Theory Jigsaw Lesson
Workgroup: Only

I. Examine the following translations:

1. Jim loves Pam.	Ljp
2. Jim only loves Pam.	Ljp • (x)(Ljx ⊃ x=p)
3. Only Jim loves Pam.	Ljp • (x)(Lxp ⊃ x=j)
4. Two is the only even prime number.	Et • Pt • Nt • (x)[(Ex • Px • Nx) ⊃ x=t]
5. There is only one applicant for the job.	(∃x)[Ax • (y)(Ay ⊃ x=y)]

II. Try these:

6. Michael is the only regional manager. (m, Rx)
7. Dwight only farms beets. (d, b, Fxy: x farms y)
8. Only Michael gives someone a prize. (m, p, Px, Gxyz: x gives y to z)

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