

Identity Theory Jigsaw Lesson  
Workgroup: Except

I. Examine the following translations:

1. Everyone loves Pam.  $(x)(Px \supset Lxp)$
2. Everyone except Jim loves Pam.  $\sim Ljp \cdot (x)[(Px \cdot x \neq j) \supset Lxp]$
3. All but the champion lose their last match.  $\sim Lc \cdot (x)(x \neq c \supset Lx)$
4. All prime numbers are odd except the number two.  $(x)[(Px \cdot Nx \cdot \sim x=t) \supset Ox]$
5. Everyone deems all Beatles' records except *Let It Be* to be classics.  
 $\sim(\exists x)(Px \cdot Dx1) \cdot (x)\{Px \supset (y)[(By \cdot Ry \cdot y \neq 1) \supset Dxy]\}$

II. Try these:

6. Everyone at Dunder-Mifflin except Pam lives in Scranton. (p, Px, Dx, Sx)
7. No one except Michael tolerates Jan. (j, m, Px, Txy: x tolerates y)
8. Some students enroll in all courses except Semiotics. (s, Sx, Cx, Exy: x enrolls in y)

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