

**Symbolization and Translation Exercises**  
**Keith Burgess-Jackson**

1. Symbolize each of the following English sentences:

a. Some zebras are not mammals.

b. Something is orange.

c. All boxes are sturdy.

d. Everything is blue.

e. Some tigers are lions.

f. Nothing is red.

g. Something is not purple.

h. No sores are gangrenous.

2. Translate the following symbolized expressions into English:

a.  $Tk$

b.  $Dx$

c.  $(x)Cx$

d.  $(\exists x)(Wx \cdot Kx)$

e.  $\Phi x$

f.  $(\exists x)Lx$

g.  $(x)(Ex \supset Fx)$

h.  $Mn$

i.  $(\forall x) (Gx \supset \sim Hx)$

j.  $(\forall x) \sim Zx$

k.  $(\exists x) Ox$

l.  $\Phi r$

m.  $(\exists x) \sim Sx$

n.  $(\exists x) (Tx \cdot \sim Bx)$

Which of your translated propositions are true and which false? Which are neither true nor false?