

p.241 A4 $\forall x \exists y [R(x,y) \rightarrow (J(z) \wedge K(x))] \vee R(y,x)$

p.257 A9 $\exists x B(x) \rightarrow \forall x A(x)$

true because
B is true at
b

true b/c A
true for all
things in domain

T \rightarrow T

true

B7 $\forall x H(x)$

false ~ H is not true for Lemmy or Eddy, so
it is not true "forall"

C7 $\exists x \forall y (\neg R(x,y))$

"there is no arrow from x to y"

it is true ~ take x=3 then there is
no y such that there is an arrow
from 3 to y