Problem Set 08: MPL Models (Answers)

1. Is the following proposition true or false in the given model? Briefly explain your anwser.

   (a) $\forall z(Az \lor (Az \to Cz))$

      Domain: [1,2,3,4]
      Referents: []
      Extensions: [(A,[4123])(C,[2431])]

   (b) Answer:

      True

2. Is the following proposition true or false in the given model? Briefly explain your answer.

   (a) $(Jab \to \forall y Kyy)$

      Domain: [1,2,3]
      Referents: [(a,1),(b,1)]
      Extensions: [(J,[(3,2)(1,1)(2,1)(3,1)(3,3)(2,2)(2,3)(1,2)(1,3)])(K,[(3,2)(3,1)(2,1)(1,1)(1,3)(1,2)(2,3)])]

   (b) Answer:

      False