Higher Set Theory - Classical and Ordinal Computability

Exercise Sheet 11
due on Tuesday, 5 July 2011

25. Show that $\equiv$ is

    (a) symmetric,
    (b) reflexive.

(2 points)

26. Show in SO :

    (a) $(\mathbb{P}, \equiv, \blacktriangleleft) \models (Inf^{\mathsf{ZFC}})$
    (b) $(\mathbb{P}, \equiv, \blacktriangleleft) \models (Found^{\mathsf{ZFC}})$

(4 points)

27. Show in SO: For every $(\equiv, \blacktriangleleft)$-formula φ we have $(\mathbb{P}, \equiv, \blacktriangleleft) \models (Rep^{\mathsf{ZFC}}_{\varphi})$.

(6 points)