



Computer Architecture II – WS 05/06

(due: Monday, 23.01.2006)

Exercise 1: (Onbus)

(10 points)

Let:

$$y \in \{0, 1\}, \quad k \in [0 : 6]$$

To be proven:

$$\text{onbus}(y, e_s(i), \tau_s) \Rightarrow \exists \beta \in \{0, 1\} : y = R^{cy(i)+\beta+k}$$

Exercise 2: (Lemma 2')

(15 points)

Let:

$$k \in [0 : 300]$$

To be proven:

$$cy(i+k) \in cy(i) + k + [-1 : 1]$$