COMP-301 PS-5

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1th question answer:

$$\frac{\text{(value-of «y» } \rho) = 15}{\text{(value-of «- (y, 10)» } \rho) = 5}$$

$$\frac{\text{(value-of «zero? (- (y,10))» } \rho) = \text{(bool-val #f)}}{\text{(value-of «z» } \rho) = 10 \qquad \text{(value-of «y» 15)}}$$

$$\frac{\text{(value-of «(- (z,y))» } \rho) = -5}{\text{(value-of «if zero? (- (y,10)) then – (z,x) else – (z,y) » } \rho) = \text{(value-of «(- (z,y))» } \rho)}}$$

(value-of «if zero? (- (y,10)) then – (z,x) else – (z,y) » ρ) = -5

2nd question answers:

1- ρ0
2- [t = [5]] ρ0
3- expval->bool
4- ρ1
5- (expval->bool (bool-val #f))   **Note: It can also be (#f)**
6- -(y, z)
7- y
8- z