Programmierung WS 18 Hausaufgaben - Blatt 11

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HA₂

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(i)
\sigma_1 = \{Z = a\}
\sigma_2 = \{Y = g(X, a)\}\
\sigma_3 = \{X = g(a, Y)\}\
\sigma = \sigma_3 \circ \sigma_2 \circ \sigma_1 = \{Z = a, Y = g(X, a), X = g(a, Y)\}
(ii)
\sigma_1 = \{X = a\}
=> Clash Failure, MGU(b,a) existiert nicht.
(iii)
\sigma_1 = \{Z = h(Y)\}
\sigma_2 = \{X = a\}
\sigma_3 = \{Y = h(a)\}
=> Occure Failure
(iv)
\sigma_1 = \{W = h(X)\}
\sigma_2 = \{Y = a\}
\sigma_3 = \{Z = g(a, a)\}
\sigma_4 = \{X = b\}
\sigma = \sigma_4 \circ \sigma_3 \circ \sigma_2 \circ \sigma_1 = \{W = h(X), Y = a, Z = g(a, a), X = b\}
(v)
\sigma_1 = \{X = Y\}
\sigma_2 = \{Y = a\}
\sigma = \sigma_2 \circ \sigma_1 = \{X = Y, Y = a\}
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HA 4

HA₆