



$$Input_0_typeY = \neg Y(U_0) = [U_0[0]_typeY, U_0[1]_typeY, U_0[2]_typeY, U_0[3]_typeY] = [1, 1, 1, 1]$$

$$\xrightarrow{SB} \text{MITMConstraints.equalConstraints}(Input_0_typeY, InputMC_0_typeY)$$

$$InputMC_0_typeY = \neg Y(V_0) = [V_0[0]_typeY, V_0[1]_typeY, V_0[2]_typeY, V_0[3]_typeY] = [1, 1, 1, 1]$$

$$\xrightarrow{MC} \xrightarrow{AK} \text{MITMConstraints.BackwardDet_LinearLayer}(MC, InputMC_0_typeY, Input_1_typeY)$$

$$Input_1_typeY = \neg Y(U_1) = [U_1[0]_typeY, U_1[1]_typeY, U_1[2]_typeY, U_1[3]_typeY] = [1, 1, 1, 1]$$

⋮

$$Input_2_typeY = \neg Y(U_2) = [U_2[0]_typeY, U_2[1]_typeY, U_2[2]_typeY, U_2[3]_typeY] = [1, 0, 1, 1]$$

$$\xrightarrow{SB} \text{MITMConstraints.equalConstraints}(Input_2_typeY, InputMC_2_typeY)$$

$$InputMC_2_typeY = \neg Y(V_2) = [V_2[0]_typeY, V_2[1]_typeY, V_2[2]_typeY, V_2[3]_typeY] = [1, 0, 1, 1]$$

$$\xrightarrow{MC} \xrightarrow{AK} \text{MITMConstraints.BackwardDet_LinearLayer}(MC, InputMC_2_typeY, Input_3_typeY)$$

$$Input_3_typeY = \neg Y(U_3) = [U_3[0]_typeY, U_3[1]_typeY, U_3[2]_typeY, U_3[3]_typeY]_typeY = [0, 1, 0, 0]$$