

$$DN_{vk} = T_5 + T_m(\overline{M+M_a})$$

$$DIL_v = DN_{vk} \cdot IP \cdot (\overline{E_1} + E_4)$$

$$DIL_h = DN_{vk} \cdot IP \cdot \overline{E_4}$$

$$DADD = T_6(A + R + A_k + A_a \cdot \overline{MD_0} + S_a \cdot MD_0) \\ + B_a(MR_{39}(M + M_a) + D \cdot S_c) + T_n(B + U)$$

$$DSUB = T_6(S + R_s + A_a \cdot MD_0 + S_a \cdot \overline{MD_0}) + B_a \cdot D \cdot \overline{S_c} + T_n \cdot MR_{39}(M + M_a)$$

$$RIH_{vk} = T_8(L + R_t) + B_a(L + R_t + M + M_a + (H_m + H_u)E_3) \\ + T_k(M + M_a + (H_m + H_u + V + N)E_3)$$

$$RIV_{vk} = T_6(D + (H_m + H_u + V + N)E_3) + T_7 \cdot D + B_a(D + V \cdot E_3) + B_b \cdot E_3 + T_n \cdot D$$

$$RIA_{vk} = T_8(R + R_s)$$

$$RN_{vk} = RIH_{vk} + RIV_{vk} + RIA_{vk}$$

$$R\dot{A} = \overline{A}P, \overline{R}G = GP$$

$$AIH_{vk} = T_6(A + S + A_a + S_a + R + R_s + A_k + L + R_t + H_s \cdot E_3 \cdot f) + T_8(L + R_t) \\ + B_a(L + R_t + H_m + H_u + M + M_a) + T_n(M + M_a + D + B + U)$$

$$AIV_{vk} = T_7(A + S + A_a + S_a + R + R_s + A_k + L + R_t + D) \\ + B_a(V + D) + B_b + T_k(M + M_a + B + U) + T_s$$

$$AN_{vk} = T_4[M + M_a + P + E_3(A + S + A_a + S_a + R + R_s + A_k + A_u + A_s \\ + ~~B~~ + H + T_c + T_t + B + U)] + T_m \cdot U + AIH_{vk} + AIV_{vk}$$

$$A\dot{A} = \overline{A}P, \overline{A}G = GP$$

$$LIA = T_5(A_u + A_s + P \cdot \overline{E_3}) + T_m(A_k + I)$$