信号的逻辑表达式:

MA = W1\*T2 + W2\*T3\* (MOV1 +MOV2+MOV3)

RA = W2\*T1\*(ADD + SUB+ AND + XOR +MULT)

PB = W1\*(T1+T3) + W2\*(T1+T2)\*(MOV1 + MOV2 + MOV3)

RB = W2\*T1\*(ADD+SUB+AND+XOR+R1N+MULT) + W2\*T4\*MOV3

CPR0 = W2\*T3\*MOV1

CPR1 = W2\*T1\*(ADD+SUB+AND+XOR+R1N+MULT) + W2\*T3\*MOV2

CPPC = W1\*T3 + W2\*T2\*(MOV1 + MOV2 + MOV3)

CPIR = W1\*T2

CPMAR = W1\*T1 + W2\*T1\*(MOV1 + MOV2 + MOV3) + W2\*T3\*MOV3

RD = W1\*T2 + W2\*T3\*(MOV1+MOV2+MOV3)

WR = W2\*T4\*MOV3

驱动C = W2\*T4\*MOV3 = WR

G = W2\*T1\*HALT

M = W1\*(T1 + T2 + ~T3) + W2\*(MOV1\*(T1 + ~T2 + T3) + MOV2\*(T1 + ~T2 + T3) + MOV3\*(T1 + ~T2 + T3 + T4)) + W2\*T1\*(AND+ XOR + R1N) + W2\*~T1\*(ADD + SUB + MULT)

= W1\*(T1 + T2 + ~T3) + W2\*(MOV1+MOV2+MOV3)\*(T1 + ~T2 + T3) + W2\*MOV3\* T4 + W2\*T1\*(AND+ XOR + R1N) + W2\*~T1\*(ADD + SUB + MULT)

S3 = W1\*(T1 + T2 + T3) + W2\*(T1+T2+T3)\*(MOV1+MOV2+MOV3) + W2\*T4\*MOV3 + W2\*T1\*(ADD+AND) + W2\*~T1\*(SUB + XOR + R1N + MULT)

S2= W1\*(~(T1+T3)+T2)+W2\*(~(T1+T2)+T3)\*(MOV1+MOV2)+W2\*(~(T1+T2+T4)+T3)\*MOV3+

W2\*T1\*(SUB+XOR+R1N) + W2\*~T1\*(ADD+AND + MULT)

S1 = W1\*(T1 + T2 + ~T3) + W2\*(T1 + ~T2 + T3)\*(MOV1+MOV2+MOV3) + W2\*T4\*MOV3 + W2\*T1\*(SUB+AND+XOR) + W2\*~T1\*(ADD+ R1N + MULT)

S0 = W1\*(~T1+T2+T3)+W2\*(MOV1+MOV2)\*(~T1+T2+T3)+W2\*MOV3\*(~(T1+T4)+T2+T3)+ W2\*T1\*(ADD + AND + R1N) + W2\*~T1\*( SUB + XOR + MULT)

CN = W1\* ~T3 + W2\*~T2\*(MOV1+MOV2+MOV3) + W2\*(T1\*ADD + ~T1\*(SUB + AND + XOR + R1N + MUTL))

MUL = W2\*T1\*MULT