

RESET

RESET\_STATE

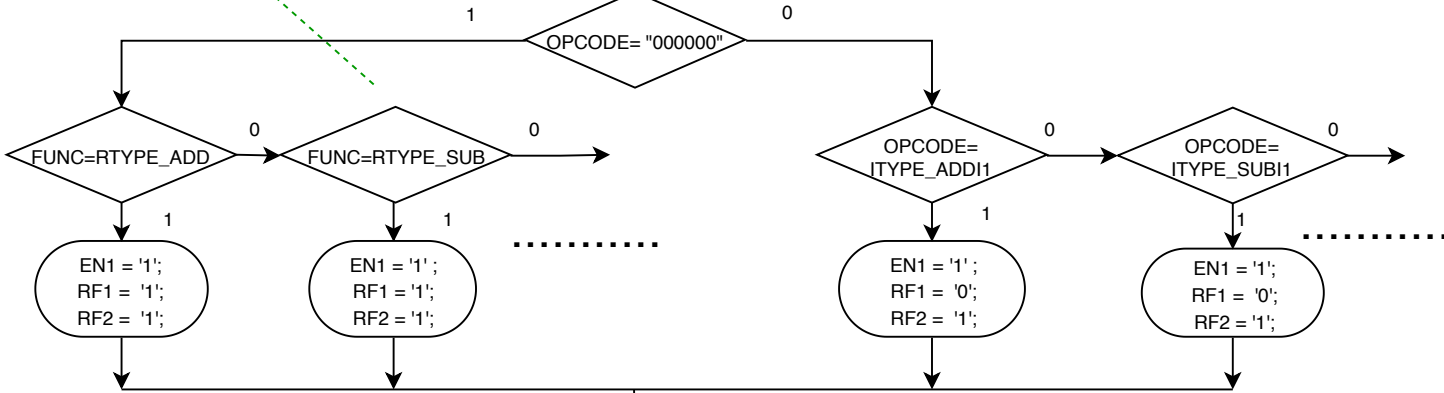
EN1 = '0'; RF1 = '0'; RF2 = '0'; EN2 = '0'; S1 = '0'; S2 = '0';  
ALU1 = '0'; ALU2 = '0'; EN3 = '0'; RM = '0'; WM = '0'; S3 = '0';  
WF1 = '0';

STAGE1\_STATE

EN2 = '0'; S1 = '0'; S2 = '0'; ALU1 = '0'; ALU2 = '0';  
EN3 = '0'; RM = '0'; WM = '0'; S3 = '0'; WF1 = '0';

the control signals, which  
belong to stage\_1, are  
estimated from the values  
of OPCODE and FUN

In this stage, all control  
signals that do not belong to  
stage\_1 are set to 0.

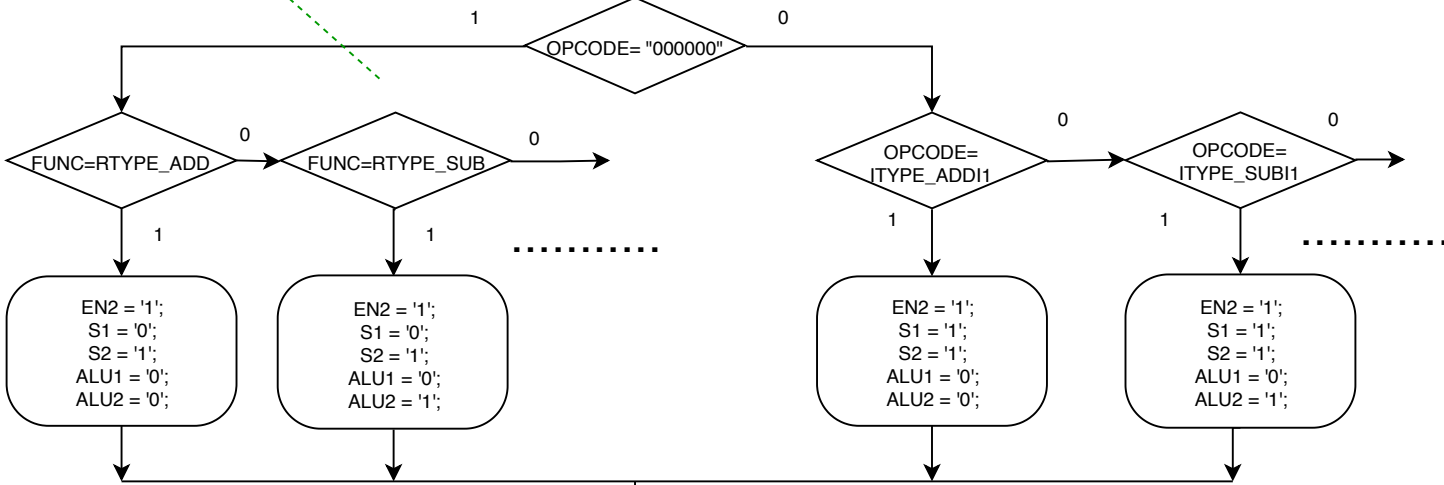


STAGE2\_STATE

EN1 = '0'; RF1 = '0'; RF2 = '0';  
EN3 = '0'; RM = '0'; WM = '0'; S3 = '0'; WF1 = '0';

the control signals, which  
belong to stage\_2, are  
estimated from the values  
of OPCODE and FUN

In this stage, all control  
signals that do not belong to  
stage\_2 are set to 0.



STAGE3\_STATE

EN2 = '0'; S1 = '0'; S2 = '0'; ALU1 = '0'; ALU2 = '0';  
EN3 = '0'; RM = '0'; WM = '0'; S3 = '0'; WF1 = '0';

the control signals, which  
belong to stage\_3, are  
estimated from the values  
of OPCODE and FUN

In this stage, all control  
signals that do not belong to  
stage\_3 are set to 0.

