

JumpDetection
jumpop pc_plus_offset op1_plus_offset
op1_plus_offset op1_plus_offset
funct3
operand1
operand2 taken

ALU Control

arth_type
inst_length
aluop operation
funct7
funct3

ALU
operation result
operand1
operand2

Data Memory address readdata memread memwrite valid maskmode sext writedata

