	层级	IF	IF/ID	ID	ID/EX	
	PC	generate		1	1	1
	PC 4	generate		1	1	
	instruction	generate		1	1	1
	ор	generate		1	1	
指令译码	rs	generate		1	1	1
10 () ()	rt	generate		1	1	1
	rd	generate		1	1	1 1
	sa	generate		1	1	1
	function	generate		1	1	
控制信号	ALU2_src	9		generate		1
32.15312	ALU_op			generate		1
	ALU_opsrc			generate		1
	MEM_write(4)			generate		1
	MEM_read			generate		1
	MEM_mod(?)			generate		1
	REG_write			generate		1
	REG_write_src(16)			generate		1
	REG_write_tgt(6)			generate		1 1 1 1
过程信号	beq			generate	used	_
	bgez			generate	used	
	blez			generate	used	
	bltz			generate	used	
	bne			generate	used	
	imm16			generate	5,555.	1
	imm32_signed			generate		1
	imm32_unsigned			generate		1
	branch_op			generate	used	
	j_op			generate		1
	offset00			generate		1 1 1
	longjump			generate		1
	PC_j_result			generate	used	
	PC_b_result			generate	used	
	sa					
中间结果	A_reg			generate	A_reg	
	B_reg			generate	B_reg	
	EX_reg			9		
	MEM_reg					
	HI					
	LO					
旁路控制	EX_MEM_bypass_hit					
	MEM_WB_bypass_hit					
	EX_MEM_bypass_valid					
	MEM_WB_bypass_valid					
	EX_bubble					
	ID_bubble					
		•				

EX	EX/MEM MEM		MEM		
	1	1	1	1 引出	
	1	1	1	1	1
	1	1	1	1	1
	1	1	1	1	1
	1	1	1	1	1
	1	1	1	1	1
		1	1		
		1	1		
		1	1		
		1	_	1 引出	
		1		1	
		1		1 引出	

