Formats des instructions RISCV, sous-ensemble RV32IM

	31 25	24 20	19 15	14 12	11 7	6 0	
	funct7	rs2	rs1	funct3	rd	opcode	R-type
imm[11:0]			rs1	funct3	rd	opcode	I-type
	imm[11:5]	rs2	rs1	funct3	imm[4:0]	opcode	S-type
	imm[12 10:5]	rs2	rs1	funct3	imm[4:1 11]	opcode	B-type
		imm[3	rd	opcode	U-type		
		imm[20 10:	rd	opcode	J-type		

Codage des instructions RV32IM

		1:12]	ructions it		0110111	772
	imm[3			rd		lui
	imm[20 10:			rd	0010111	auipc
έ Γ 1 1			000	rd	1101111	jal
imm[11:0]		rs1	000	rd	1100111	jalr
imm[12 10:5]		rs1	000	imm[4:1 11]	1100011	beq
imm[12 10:5]	rs2	rs1	001	imm[4:1 11]	1100011	bne
imm[12 10:5]	rs2	rs1	100	imm[4:1 11]	1100011	blt
imm[12 10:5]	rs2	rs1	101	imm[4:1 11]	1100011	bge
imm[12 10:5]	rs2	rs1	110	imm[4:1 11]	1100011	bltu
imm[12 10:5]	rs2	rs1	111	imm[4:1 11]	1100011	bgeu
imm[11		rs1 rs1	000	rd	0000011	lb
	imm[11:0]		001	rd	0000011	lh
imm[11:0]		rs1 rs1	010	rd	0000011	lw
	imm[11:0]		100	rd	0000011	lbu
imm[11		rs1	101	rd	0000011	lhu
imm[11:5]	rs2	rs1	000	imm[4:0]	0100011	sb
imm[11:5]	rs2	rs1	001	imm[4:0]	0100011	sh
imm[11:5]	rs2	rs1	010	imm[4:0]	0100011	sw
imm[11	[:0]	rs1	000	rd	0010011	addi
imm[11	L:0]	rs1	010	rd	0010011	slti
imm[11	L:0]	rs1	011	rd	0010011	sltiu
imm[11	L:0]	rs1	100	rd	0010011	xori
imm[11	L:0]	rs1	110	rd	0010011	ori
imm[11:0]		rs1	111	rd	0010011	andi
0000000	shamt	rs1	001	rd	0010011	slli
0000000	shamt	rs1	101	rd	0010011	srli
0100000	shamt	rs1	101	rd	0010011	srai
0000000	rs2	rs1	000	rd	0110011	add
0100000	rs2	rs1	000	rd	0110011	sub
0000000	rs2	rs1	001	rd	0110011	sll
0000000	rs2	rs1	010	rd	0110011	slt
0000000	rs2	rs1	011	rd	0110011	sltu
0000000	rs2	rs1	100	rd	0110011	xor
0000000	rs2	rs1	101	rd	0110011	srl
0100000	rs2	rs1	101	rd	0110011	sra
0000000	rs2	rs1	110	rd	0110011	or
0000000	rs2	rs1	111	rd	0110011	and
0011000	00010	00000	000	00000	1110011	mret
0000001	rs2	rs1	000	rd	0110011	mul
0000001	rs2	rs1	001	rd	0110011	mulh
0000001	rs2	rs1	010	rd	0110011	mulhsu
0000001	rs2	rs1	011	rd	0110011	mulhu
0000001	rs2	rs1	100	rd	0110011	div
0000001	rs2	rs1	101	rd	0110011	divu
0000001	rs2	rs1	110	rd	0110011	rem
0000001	rs2	rs1	111	rd	0110011	remu
000001	154	191	111	1 u	0110011	1 ema