/sign_extend/func	0		1	
/sign_extend/immediate_in	FED1		F911	
/sign_extend/full_out	FED10000		FFFF911	
0	ns	2	ns	   4 n:
		_		

/sign_extend/func 3		2	
/sign_extend/immediate_in ABC2	1	1001	
/sign_extend/full_out 0000ABC2		00001001	
	6	ns	8 ns