i_function		
i_in		o_carry_out
	00 1 1 1 1 0	
i_shift_amount	a23_barrel_shift	o_out
	a23_barrel_shift	o_out
i_carry_in	a23_barrel_shift	o_out
	a23_barrel_shift	o_out
i_carry_in	a23_barrel_shift	o_out