...		
not_equal	**0x024**	auipc x10, 0
...		
less_unsigned	**0x040**	auipc x10, 0
...		
greater_equal_unsigned	**0x05c**	auipc x10, 0
...		
back2main	**0x068**	lw x18, LEDR
...		
halt	**0x07c**	j halt
...		
less	**0x09c**	auipc x10, 0
...		
greater_equal	**0x0b8**	auipc x10, 0
...		
jump_and_link	**0x0d4**	auipc x10, 0
ALU TEST ROUTINE		
LOAD/STORE TEST ROUTINE		
jump_and_link_r	**0x234**	auipc x10, 0
AUIPC TEST ROUTINE		
LUI TEST ROUTINE		