

# 5101 Project 2

Jaskin Kabir 801186717

Variables Breakpoints Expressions Registers Live Expressions SFRs									
Name		Value		Description					
r9		4294967295							
r10		4294967295							
r11		4294967295							
r12		4294967295							
sp		0x20007fc8							
Stack		arg q		20007FC8	07	00	00	00	
		arg p		20007FCC	05	00	00	00	
		padding		20007FD0	53	B6	47	41	
		var c		20007FD4	0C	00	00	00	
		var b		20007FD8	07	00	00	00	
		var a		20007FDC	05	00	00	00	
		prev sp		20007FE0	E8	7F	00	20	
		ret addr		20007FE4	47	01	00	08	
		padding		20007FE8	01	00	00	00	
		padding		20007FEC	D9	01	00	08	
		var var2		20007FF0	07	00	00	00	
		var var1		20007FF4	05	00	00	00	
		prev sp		20007FF8	FF	FF	FF	FF	
		re addr		20007FFC	87	01	00	08	
				20008000	00	??	??	??	
				20008004	??	??	??	??	
				20008008	??	??	??	??	
				2000800C	??	??	??	??	
				20008010	??	??	??	??	
				20008014	??	??	??	??	
				20008018	??	??	??	??	
				2000801C	??	??	??	??	
				20008020	??	??	??	??	
				20008024	??	??	??	??	
				20008028	??	??	??	??	
				2000802C	??	??	??	??	
				20008030	??	??	??	??	
				20008034	??	??	??	??	
				20008038	??	??	??	??	
				2000803C	??	??	??	??	

The unused memory address 20007FD0 is likely padding. The addresses 20007FFC-F8, containing main's previous stack pointer and return address, are also unused because main should never return. The addresses

2007FEC-E8 could also be padding, but it is also possible that one of them was preallocated by the compiler to store the result of debugFunction.