Operations		128	64	32	16	8	4	2	1	
Immediate	imm	0	0							
Calculate	calc	0	1							
Сору	mov	1	0							
Condition	cond	1	1							
Register 0 in	r0i			0	0	0				
Register 1 in	r1i			0	0	1				
Register 2 in	r2i			0	1	0				
	r3i			0	1	1				
Register 4 in	r4i			1	0	0				
Register 5 in	r5i			1	0	1				
	in			1	1	0				
Unused				1	1	1				
Register 0 out	r0o						0	0	0	
	r1o						0	0	1	
	r2o						0	1	0	
	r3o						0	1	1	
	r4o						1	0	0	
	r5o						1	0	1	
	out						1	1	0	
Unused							1	1	1	
Or	or						0	0	0	
	nand						0	0	1	
	nor						0	1	0	
	and						0	1	1	
	add						1		0	
	sub						1	0	1	
Unused							1	1	0	
Unused							1	1	1	
Never	never						0	0	0	
	jeq						0			
	jlt						0			
	jle						0			
	jmp						1			
	jne						1			
Greater than or Equal to 0							1			
	jgt						1			

Instruction Layouts											
Сору		128 64	3:	2 16	8		4	2	1		
	Operation		Copy from			Copy to					
Calculation		128 64	3:	2 16	8		4	2	1		
	Operation		Unused			Condition					
Condition		128 64		2 16	8		4	2	1		
	Operation		Unused			Function					
			_					_			
Immediate		128 64		2 16	8		4	2	1		
	Operation		Value								
Info + Setup											
		:- th t fi:-		. to	 		L- 4 C -5 4b -	in atometica boots			
		"Immediate" is the term for sending a value directly to reg0. The immediate value is marked in the bits 1-6 of the instruction byte. An immediate value can range from 0 - 63									
	An immediate	e value can range iro	1110-63								
	Calculations	always take the value	on in road and ro	a? and do the fund	tion on thom. Box	a1 io on the le	oft of the col	oulation			
					tion on them. Re	gr is on the ie	ert of the cal	culation			
	Example. Au	dition = reg1 + reg2,	Subtraction = reg	ji - reg z							
	Conditions of	ways take the value	in roa? and com	ore it against the	ivon condition						
		on is evaluated as tru				the value etc	rod in roa0				
	ii the condition	on is evaluated as tru	e, the program of	buriter will jurily to	ine line of code a	ille value sit	neu in rego.				
	When progra	mming the furthest I	off hit is the 128th	h hit. To program a	component simp	ly replace lov	, constants	with high constant	te and rowire		
	When programming, the furthest left bit is the 128th bit. To program a component, simply replace low constants with high constants and rewire. When finished, package the whole circuit as one component and copy and paste into the processor file.										
		eve added it into the f			· · · · · ·	-	ilie.				
	vviicii you ne		ile, rewire it iii pie	dec of the placeflor	acı program com	Jonett.					
Setup											
Остар											
	Togale the Pl	RE and CLR switche	s by the program	component and re	place the progran	n component	with your ov	vn program.			
		Toggle the PRE and CLR switches by the program component and replace the program component with your own program, It is not recommended to use a clock in the processor, but rather it should be hand-pulsed.									
	Nearby to the program component - behind the counter- will be a switch connected to the clock input of the counter.										
		When pulsing the clock, always wait for a small amount of time before executing the next instruction, to ensure that there are no accidental errors.									
		alues of the input se									
	Enjoy!										
	,,,										
Assembly Code Syntax											

Using the Replit file	mov:	mov (from adr) (to adr)	*more similary to cpy										
	calc / cond:	calc / cond (operation)											
	imm:	imm (value)											
	Conditions are	Conditions are slightly tricky to implement. Because the jump address is always stored in r0, you must send an immediate value to r0 before the jump.											
	The immediate	The immediate value should be the byte of code that you want to jump to, e.g. byte 3, byte 2, etc.											
	Your lines of c	Your lines of code begin at byte 0, and increment by 1 for each instruction.											
	After the imme	ediate instruction, you then add your j											