

	lw	1	0	neg1	load in -1 to r1. If a bitmask gives us -1 that means there is no bit
	lw	2	0	mcand	load in the multiplicand at r2
	lw	3	0	mplier	load in the multiplier at r3
	lw	4	0	last	load in what the last bitmask would be
	lw	5	0	one	load in the initial bit mask at r5
top	nand	6	5	3	apply the bitmask
	add	5	5	5	left shift the bit mask
	beq	6	1	1	If the mask result is the same number (All one's) then skip next step
	add	7	7	2	Add the current shifted multiplcand into the result
	beq	4	5	end	if the bitmask is at the last value then end
	add	2	2	2	left shift the multiplicand
	beq	0	0	top	if we get to this line then go to the begining
end	halt				
last	.fill	1048576			
mcand	.fill	29562			
mplier	.fill	11834			
one	.fill	1			
neg1	.fill	-1			