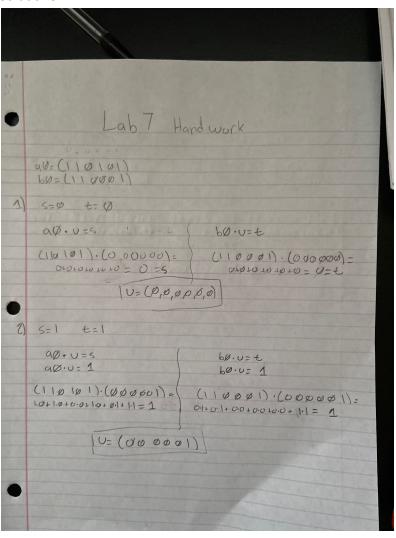
## Report

For this lab, we are trying to find a random secret vector u such that  $a^*u = s$  and  $b^*u = t$ , where s and t are bits 0 1. Vectors a and b are fixed vectors provided in the book. The function secret\_vector is a recursive function that generates a random vector u within GF(2) until  $a^*u = s$  and  $b^*u = t$ .

HandWork: Multiplying a0 and b0 vectors by a "random" u vector to produce the wanted s and t value. For the sake of the handwork and time, we used vectors that we knew would produce the solutions.



Contract of the last of the la		
		0
1 100 6		
3) 5=1 4=0		
3 5=1 H=0		
	1. 64 18 163 93	
a0.0=5	(60.0=t	
a0.v=1	b. 0 = 0	
	103-1 03-3	
, , , , ,	11. 11. 12.201.01	17
(110101).(0001	(110001).(000100	1 -
1.01 1.0+0.0+1.1+0.0+1.0= 1	10+10+00+10+00+1.9= C	)
- Company L. House a HI	1 3 3 400 01. ( 10) WHY	
V= (00 (	5100)	
160		
		-
		0
7 20 30		
60.02 4		
-11306000011106011		
A = 1:1 + Opposing the use		
THE A CHOICE TO LONG THE CARD	1013010101010101	
THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.		
		0