

- Spin			
	Rifa		
>0	Safeer Shah		
	J, /		
		10/0	1/2019
	11111111	Homework 4: Fields	
-	3	3 Snow that GF(2) is a field.	
		Closure	
		X+Y	
		0+0=0 0.0=0 Laentity Element	
5		0+1=1 0.1=0 17 colling X+I+=X//-11 X-I*=X	
	explained &	11+0=1 11 1 1-0=0 11 11 11 12 13 13 13 14 15 14 16 17 17 10 11 X 11 1	
5		1+1=2 1:131 0+0=0 10:1=0	
		Commutativity 1+0=1 11 11 11 11	
	Northini	X+X= X+X X-Y=X-X 35 11 5 POHTS Inverse Flement	
		0+0 = 0+0 0 0 0 = 0.0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
<u> </u>		0+1 = 1,40	
3	(1 1 1	15 - (1 - (2 - (2 - (2 - (2 - (2 - (2 - (2	
2	1200	1+1 = 1+1 1:1= 1:1 0+(0)=0 . [1, 0, 0] 3, [7]	
		LET WERDS = 10=(1) + 11 COOL + 12	
Z		(x+y)+z = x+(y+z) 11022 (x1y)+z = x11(y+z) 100 10 10 10 11 11 11 11	
7		(0+0)+0=0+(0+0)   1 (0.0)-0=10-(0.0) + (0.0) + (0+0) +0=0+(0+0)	
7	ه خدرد.	(0+0)+0=0+(0+0) / (0+0) / (0+0)+0=0+(0+0) / (0+0)+1=0+(0+1) / (0+0)+1=0+(0+1) / (0+0)+1=0+(0+1) / (0+0)+1=0+(0+0) / (0+0)+1=0+(0+0) / (0+0)+1=0+(0+0)+1 / (0+0)+1=0+(0+0)+1 / (0+0)+1=0+(0+0)+1 / (0+0)+1=0+(0+0)+1 / (0	
5		(0+0)+1=0+(0+1) 7770(0.0) 24 477 (0.0) 47 47 (0+0)+0 = [+10+0]	
99999999999	7 v9	Designation for a tired to grant (61) 0 = 0. (1.0) (vor (0+1)+0=0+(1+0) (	
6	<u> </u>	Desinition for a field 1 and a (1.1) a = 1.(1.0) a to of north to the to the total and the contract of the con	
5		# 10 F The set of Sud; # (0.0) 11 to 6 (0.1) 11 to 6 (0.1) 11 to 6 (0.1)	
3		(1+0)+1 = 1+(0+1) (1+0)+1 = 1+(0+1)	
9		(1+1)+02 1+(1+0),000 (31:1).0 00 1:(1-1).1 20 1:(1-1) +1 20+(1+1)	
9		(141)+1=1+(1+1) (1-1)-1=1-(1+1) +=1+(1+1)	
2		Distributivity	
2		Z(x+y)= Zx+Zy	
-		0(0+0)= 0.0+0.0	
3		1(0+0)=1.0+1.0	
6	r	0(0+1)= 0.0 + 0.1	
Fo.		1(0+1)= 1.0 + 1.1	
To.		0(1+0)= 0-1+0.0	
		1(1+0)= 1-1+1-0	
		0(1+1)=0.1+0.1	
JA			