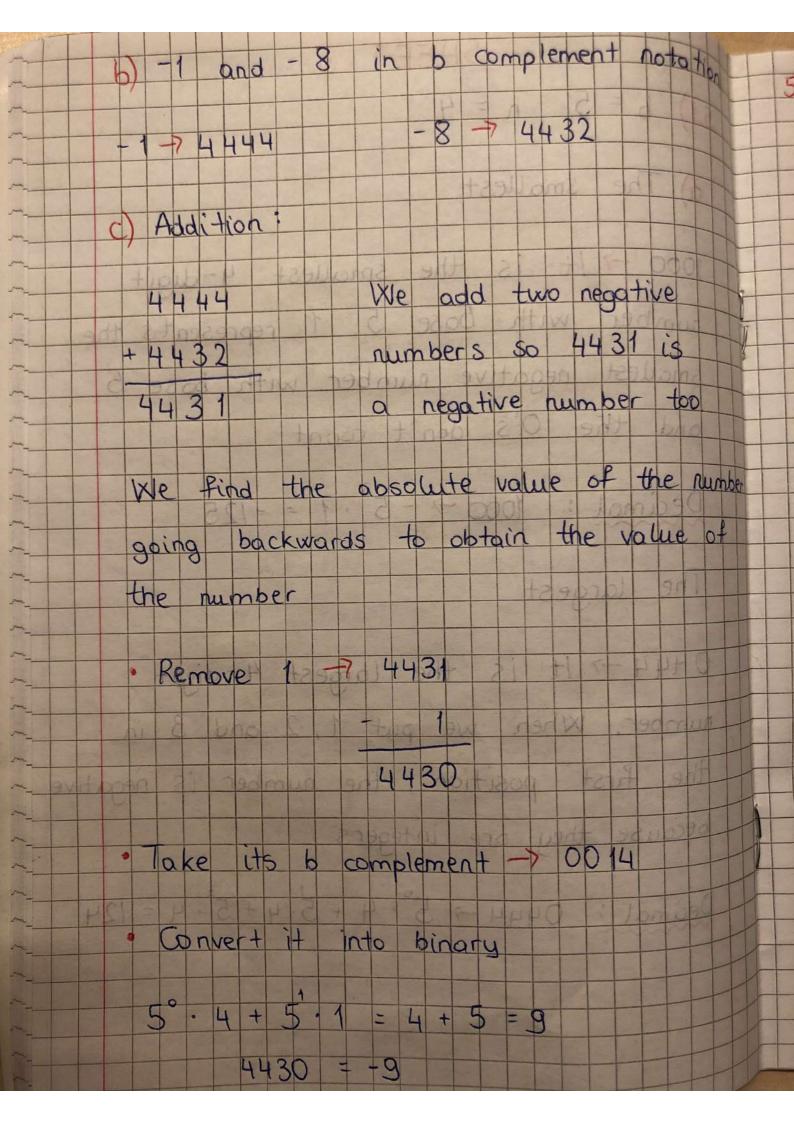
5.1) b = 5 n = 4 a) The smallest 1000 -7 It is the smallest 4-digit number with base 5. 1 represents the smallest negative number with base 5 and the O's don't count Decimal: 1000 - 5 · 1 = -125 The largest 0444-7 It is the largest 4-digit number. When we put 1,2 and 3 in the first position, the number is negative because they are integers Deamal: 0444 7 5.4 + 5.4 + 5.4 = 124



7	Decimal part => binary
A	
~+++	0, 15 · 2 = 0,3
2-11-	0,3.2=0,6
~	0,6 · 2 = 1,2
~	0,2.2=0,4 0010
~	0,4 · 2 = 0,8 00100
~	0,8 - 2 = 1,6 001001
	0,6 -2 = 1,2 0010011
	02 2 = 0,4 00100110
2	04 2 = 0.8 001001100
~	0.8 2 = 1.6 0010011001
~	
~	As we see the digits are repeated, so
~	We Stop
~	19001
~	Let's normalize the number
\\\ \\	100010001, 001001 = 1.00010001001.10
~-	100010001, 001001 = 1.00010001001001
~	Let's add the exponent bias (127) to to
7	
	the exponent =7 (8)

9	5	, 2) H	ow	is	- 27	3.15	10	Conve	erted	into	00	
		singl	ep	real	sion	7100	ting	Poù	nt r	umbe	or O	
		0)	The	nur	iber	is	nego	tive	So	sign	bit =	1
		Let	5 0	listin	gui sh	the	e w	hole	par-	and	the	
		decir	nal	par.	+:	who	10 0	part	= 2	73	0	
				100	00	deci	nal	par	+ =	0.15	3.0	
ber		Who	le	part	- 7 b	inary	3	10	12		00	
		273	3 m	od	200			3,0		1	10	
				od	2100				0	1	80	
		68	mo	909	2	25	5110	the (000	9 x/	14	
		117	mo					1	0 00	908	EX	
1		8	moe		79d10	(UI)	At .	01	000)1	191	
		2	mod	000	1000	1.1	100	001	000	00010	083	
		+1.	mod		oid	+030		001	-			
-		0	mod	2			010	0001	000	1	9/2	

		127 +	8 = 13	5501000	
Le-t'	s conv	rer + 1	35 to	binary	
13	5 mod	2			
6			4010	11	09000×9
33	mod	2	201000	0111	etaen
8	100 HOO	2	7 11100	00111	1,850-
4	mod	2	houtot	00011	K A) Heko
2	mod	2 2	+1111	1000011	
0		2	4	01000011	
We	drop	the	leading	1 from	the represen-
tati	1 0000) [9]		1001 00	TO TOTAL STATE OF THE STATE OF
Mag	tissa		001000	1001001)	
			ujonia	0 +000	Vai cake
1t i	5 14	bits	0000	14 11 010	0 000
	G G	the S	3 bits	that have	remained
with	the	repe	ated St	equence	

