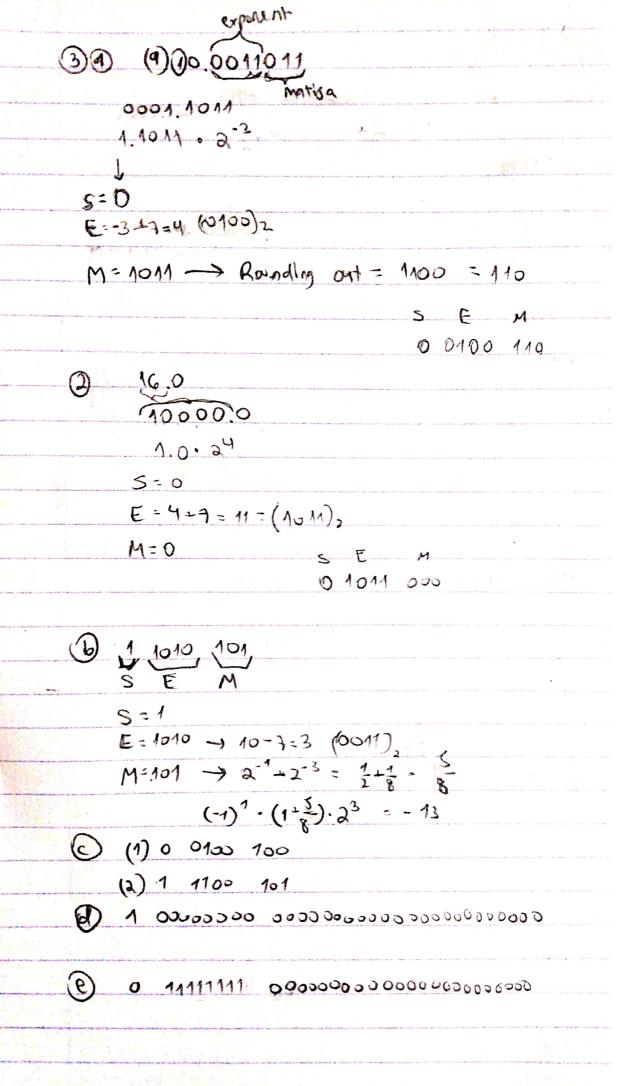
## Hw comp Arch 1

0	Product	Multiplicand	Myllipier	Description	Step
with the same of the	0000000	0000 1011	1010	Initial Valuey	Step 0
Note that the	000000	0000 1011	1010	1: 0 -> no operation	Step1
mi yana	9000 0000	000 10110	1010	a: Shift left mythphicand	step 2
a the management	3000 0000	00010110	0101	3: ohiff night multiplic	step 3
and the same	00010110	00010110	0101	19: 1- prod = Prod = Mand	step 4
	000 10110	00101100	0101	2: J-Mift left Multiplicand	step 5
todale by and	0 00 10110	00101100	0010	31 shift right multiplier	step 6
en in depart	300 10110	06101100	0610	1:0 - no operation	sty7
and the same of	00010410	01011000	0010	2! shift left multiplicand	Step 8
tra man land	00010110	01011000	0001	3: While right multiplier	Step 9
ents have not been been to	01101110	01011000	0001	19: 1-) prod = prod + Mand	stq 10
	01101110	10110000	0001	2: Shift left multiplicand	step 11
	01101110	10110000	0000	3: shift right multiplier	step 12
	1				1



E 10-4=4 (100) &

M= 0200

0 100 0000

3 = 0 1.1011 · 23 E = -3 = 4 = 1 (001)<sub>2</sub> M = 1011 -

0 001 1011

30

00001000

11111 000 >25 compliment

30001000 11111000 0001000

B 00 1 00100

11011011

11011100 ← 25 . Compliment

9 11011100 00000100

3 finds the distance of the number from base 2 bit number.