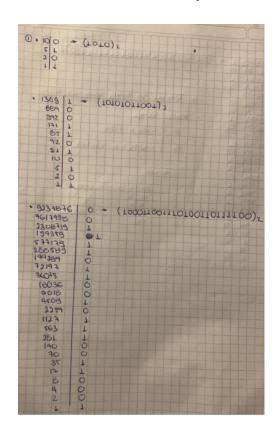
Name: Daniel Paucar

Date: 01/03/23

Homework #1

1. Decimal to binary



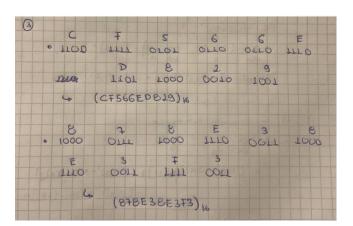


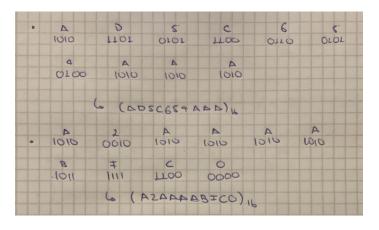
2. Decimal to binary using 2s complement.

	-20 = e bts	
	00 0 - (TOTOO)s	>00010100
	10 0	
	2 0	71707011
	īı	1110 110011
		1110 1100//
100		
-	1025 7 2 5.65	
	1032 17 = (1000000	00001)5 -(010000000001)
	512 0	(010000001)
	376 0 178 0 64 0 32 0 16 0 8 0 9 0 2 0	TOTTTTTTTO
11	158 0	
-	67 0	1077717777
	52 0	
	8 0	
	4 0	
	2 0	
	1 1	
0 -	3925 + 16 b.ts	
11	3925 1 - (111101	010101)
100	1862 0	
1	387 7	(0000111101010101)
	242 7	1 111000010101010
		1 22200010101010
	122 0	, T1110000101010111
- 200		101011/4
	12 1	
	7 1	
	3 1	

° - 109 586	- 18 P:+2	
109596	0 - (110011000100 10100)	
52298	0	
26 149	1 01100110001001010	7
13079	0	
6237	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	16
3268	m 1	1
1639	0 1001100 1770110110	5.
113	1	11.
908	0 14 1 14 14 14 14 14 14 14 14 14 14 14 1	
209	0	
102	0 74 4 4 6 8	
12	1	
25	1 1-1-4-4 6 10004-10100	
12	0	
6	07 4 4 44 44 14 14 10	
3		
1		

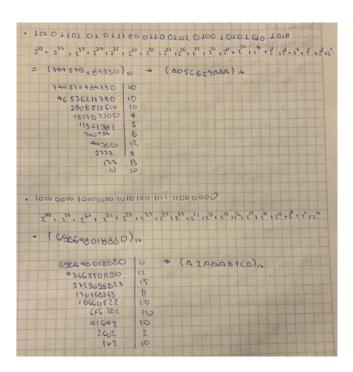
3. Unsigned binary to hex.





```
### 1200 OTT 1000 OTT 1000 TITO OFT THE TOTAL TOTAL

### 121 + 212 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213 + 213
```



4. Signed binary to octal.

5. Do the following multiplications in binary.

```
| 100 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1
```