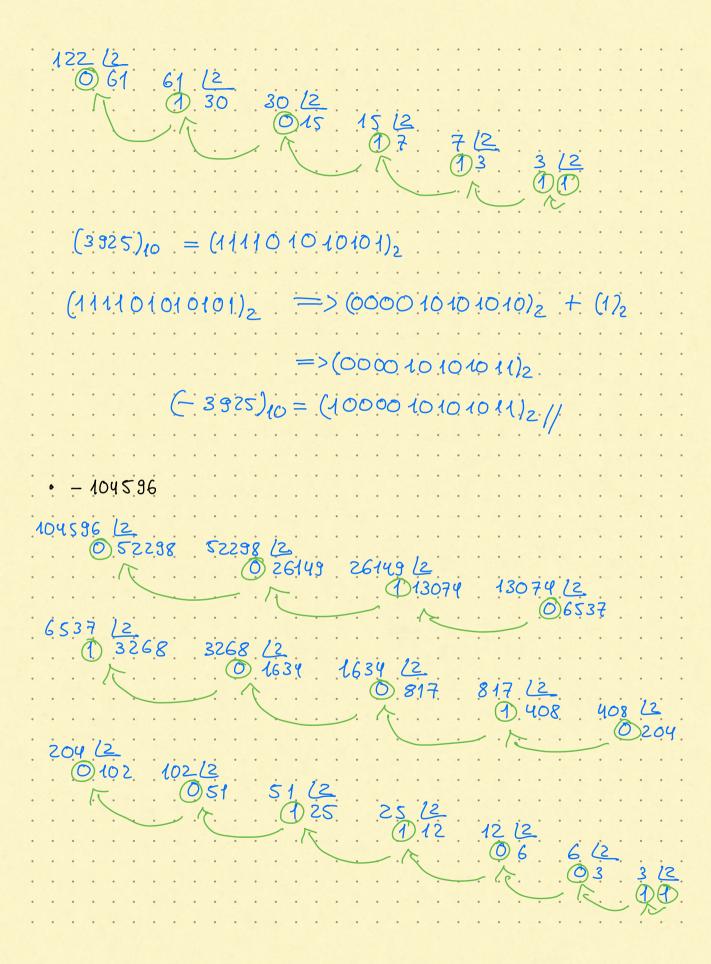
	Alex Pivet 00329229							• • •
٠	: :1.:	Transform	the follo	swing numb	pers from	one base	to anot	her
				ence:https:	11. byjus.	com/math	s/decimal-1	o-binary
	• •	• 10		5 5 12				
•	• •			<b>D</b> 2	· 2 /2 · · · · · · · · · · · · · · · · ·			
•	• •	=>(	(0) <sub>10</sub>	10)2//				
•		1369						
•			1369 12	1 684 !				
•	• •				3.4	0 1.71 .	171 <u>2</u>	
0	• •						. 482	
		75 12 1742						
			021	21 2	10 (2)			
					5.	5 <u>[2</u>		
							212.	

```
9234876 [2]
                 .0 9.01.8.
       => (9:23:4876) 10 = (10001100 1110 100110111100)
```

• 4926 3749
49263749 [Z. ① 24631874 24631874 [Z. ② 12315937 12315937 [Z.
6157968 12. 03078984 3078984 12. 01539492 1539492 12.
763746 12. © 384873 384873 [2 192436 22.
(18109 [2] (1) 24054 24054 [2]
(a) 12027 12027 12 (b) 6013 6013 12 (c) 6013 6013 12 (d) 3006 3006 12
1503 [2 1503 [2 1751 751 [2 1 375 375 [2
187 187 <u>  2.</u> 193 <u>  93   2.</u> 10 46 <u>  46   2.</u> 10 23 23 <u>  2.</u> 10 23 23 <u>  2.</u>
11 <u>12</u> ①5 5 <u>12</u> 5 ①2 2 12
$= (4.9.263.749)_{10} = (1011.1011.1011.0101.0000.101)_{2}//$

Decimal to binary using 2's complement
-> Use the minimum number of bits required to express the number
Reference: https://www.exploring.binary.com/twos-complement-converter
<u>a - 20 </u>
=> empiezo por pasarle a binario (a la magnitud solamente)
20.12
0 10 10 <u>2</u>
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\frac{1}{2} \frac{1}{2} \frac{1}$
$=> (20)_{10} = (40100)_{2}$
Ahora, ja en binario, saco el complemento de todo el número:
10100 => 01011
Como se vio en class, se soma il para obtener el 2's complement
$(0.10.11/2 + 0)_2 = (0.110.01/2 + 0.00.00)_2$
Findmente para agregor el signo; se anade 1 el inicio del comple.
4) 01100
Obteniendo:
Obteniendo: $(1.01.100)_2 = (-20)_{10}$

:-> El proceso y vazo va miento es similar para la.	demoj asos.
• -1025	
	6412 ©32 3212 ©16
16. L2 08. 8 L2 0 4 4 L2 0 5 2 L2 0 6 7	
(10,25) <sub>10</sub> = (10,000,000,01) <sub>2</sub>	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
=> (-1025) <sub>10</sub> = (101111111111) <sub>2</sub> //	
• - 3925 3925 [2. 1) 1962 1962 [2.	5 <u>12</u> D.122



```
(104596)10 = (11001100010010100)2
               =>(0011001110110101011);
              =>(00110011101101100),
    -104596)10 => (100110011101101100)2
   Unsigned binary to hex
   nitodo Corto
Reference: https://www.tutonialspoint.com/how-to-convert-binary
  8400 8421 040104200420 8420 8401 8000 0020 8001
                     6. E. D. .8.
   1000 | 0111 | 1006 | 1110 | 6011 | 1000 | 1110 | 6011 | 1111 | 0011 | 8421 8421 8421 8421
    1010 | 1101 | 0101 | 1100 | 0110 | 0101 | 0100 | 1010 | 1010 | 1010
                           8471 8421 8471 8424 8421
    8020 8401 0401 8400 0420 0401 0400 8020 8020 8020
```

```
1010 | 0010 | 1010 | 1010 | 1010 | 1010 | 1011 | 1111 | 1100 | 0000 | 8421 8421 8421 8421 8421 8421
                  8020. 8620. 8620. 8620 8021. 8.42.1. 8400.0000
    Signed binary to octal
    Método Corto
Reference: https://byjus.com/maths/binary-to-octal-conver
   . 111/111/000/001/111/100/000/001/110/101/011
    (, z's complement
     000 000 111 110 000 011 111 110 001 010 100
    010/101/010/101/11/11/11/11/11/11/10/000/000/
```

