

UNIVERSIDAD AUTONOMA "TOMAS FRIAS" FACULTAD DE VICERRECTORADO CARRERA DE INGENIERIA DE SISTEMAS



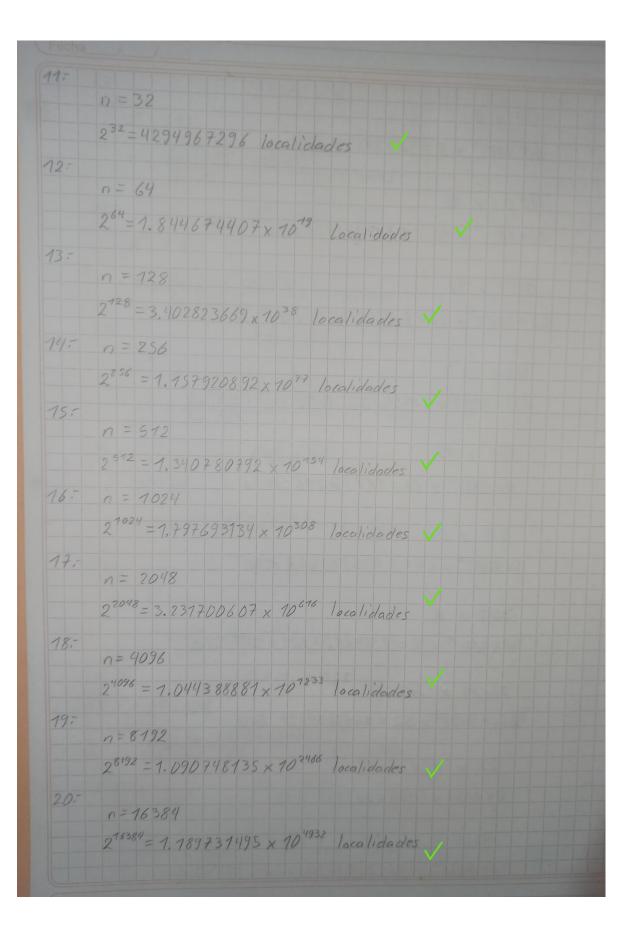
PRACTICA N°3

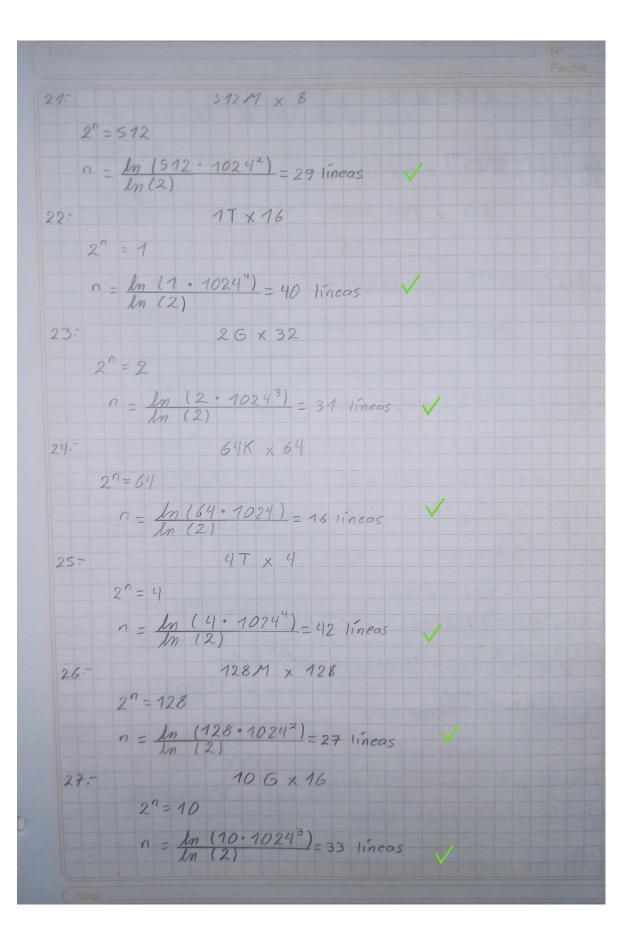
NOTA	ASIGNATURA: Arquitectura de computadoras	SIGLA: SIS-522
	DOCENTE: Ing. Puita Choque Gustavo Adolfo	GRUPO: G-1
	AUXILIAR: Univ. Aldrin Roger Perez Miranda	FECHA:12/04/2022
	ESTUDIANTE: Univ. Alvaro Moyata Pascual	

Responda los siguientes ejercicios de manera sencilla con pasos claros

La práctica se debe realizar manuscrito

4-	
17	611 x 8
	6 * 10242 × 8 = 50337648 Bits
2-	
	10 G × 16
	10*10293 × 16 = 1.717986918 × 10 1 13its
3-	20T x 32
	20 * 10244 × 32 = 7.036874418 × 10 74 Bits
	128 K × 4
	128+1024 × 4=524288 Bits
5=	1M × 16
	1 * 10242 × 16 = 16777216 13:+5
6-	56 x 64
	5*10243 × 64=3.435973837 × 107 Bits V
7:	
	30 T x 8
	30 × 10244 × 8 = 2.638827907×1014 Bits
8:	256 M x 32
	256 × 10242 × 32 = 8589934592 Bits
9=	2K x 128
	2*1024 x 128 = 262144 Bits
10	
	156 × 16
	15 * 10243 × 16=2.576980378×101 Bits





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28.
                   256T x 2
    2" = 256
    n - In (256. 1024) = 48 lineas V
                8M x 256
29:
      n = \ln(8.1024^2) = 23 \text{ lineas}
30-
                 326 x 8
       27 = 32
       n = lm (32 - 7024^3) = 35 (ineas)
31-
                 23 x 8
      2 *1024 × 8 = 1.717986918 × 100 Bits
     1.717986918 × 1010 = 2147483648 Bytes
     2147483648 = 2 Gigas V
32 -
      10 + 1024 × 16 = 1,759278604 × 1014 Bits
      1.759218604×1014 = 2.199023256 ×1013 Bytes
     2.199023256 x 10<sup>13</sup>=20480 gigas
                   128M × 4
 33
      128* 10242 × 4 = 536870912 Bits
      536870912 = 67108864 Bytes
      67108864 = 0.0625 Gigabytes
```

1K × 32 1 + 1024 × 32 = 32768 Bits 32768 = 4096 Bytes 1096 = 3.90625 × 10 3 Megas 5126 × 16 512 * 10243 × 16 = 8,796093022 × 1012 Bits 8.796093022×1012 = 1.099511628×1012 Bytes 1.099571628×1012 = 1048576 Megabytes V 47 x 2 36: 4 * 1024 × 2 = 8.796093082 × 10 12 Bits 8.796093022 x 10 12 - 1.0995 11 628 x 10 12 Bytes 1.099511628 × 10 = 1024 gigas 64M x 64 37. 64× 10242 × 64= 429 4967296 Bits 4294967296 = 536870912 Bytes 536870912 - 4.8828125×10-4 Teras V 64 M x 64 387 64 x 10242 x 64 = 4294967296 Bits 4794667296 = 536870912 Bytes 536870912 = 4,8828125 × 10-4 Terabytes

	64 M x 64
	64+10242 x 64=4294967296 Bits
	4294967296 = 536870912 Bytes
	536870912 = 524288 Kilo V
40:	64M x 64
	64*10242 × 64=1294967296 Bits
	4294967296 = 536870912 Bytes
	536870912 - 524288 Kilobytes V