$e: e^{-126} = m = 2^{-149}$  num. p:clow: 2

	Classe dei numeri	Minimo	Massimo
32 bit	interi		•
	senza segno	0	4294 967 295
	con segno	-2147483647	2147483647
	in complemento a 2	-2147483648	2147483647
	razionali (in modulo)		
32 bit		$1.401298 \times 10^{-45}$	$3.402823 \times 10^{38}$
64 bit	in doppia precisione	$4.940656 \times 10^{-324}$	$1.797693 \times 10^{308}$
04 01			

esp=1111111 M= ~ solo bit # Ø.

Probleme di approssimazioni

a - b = 1000 - 999.8 = 0.2

Calcolo In Vivsola mobile  $a_{-}b = (1.000 - 0.999) \times 10 = 0.001 \times 10 = 1$   $a_{-}b = 1$  can 3 cafre

con a afredecimali:  $a-b = 1.0000 \times 10 - 0.9998 \times 10$  $= 0.0002 \times 10^3 = 0.2$ 

Rapp Caretteri

Mappe tre Ceretterie numeri ruteri. Anni 60 coolice ASCII 3 8 bit d'informe 2 ione

## **ASCII TABLE**

Decimal	Hex	Char	Decimal	Hex	Char	Decimal	Hex	Char	Decimal	Hex	Char
0	0	[NULL]	32	20	[SPACE]	64	40	@	96	60	
1	1	[START OF HEADING]	33	21	1	65	41	A	97	61	a
2	2	[START OF TEXT]	34	22		66	42	В	98	62	b
3	3	[END OF TEXT]	35	23	#	67	43	C	99	63	c
4	4	[END OF TRANSMISSION]	36	24	\$	68	44	D	100	64	d
5	5	[ENQUIRY]	37	25	%	69	45	E	101	65	e
6	6	[ACKNOWLEDGE]	38	26	&e	70	46	F	102	66	f
7	7	[BELL]	39	27	100	71	47	G	103	67	g
В	8	[BACKSPACE]	40	28	(	72	48	н	104	68	h
9	9	[HORIZONTAL TAB]	41	29	)	73	49	1	105	69	i i
10	Α	[LINE FEED]	42	2A	*	74	4A	J	106	6A	j
11	В	[VERTICAL TAB]	43	2B	+	75	4B	K	107	6B	k
12	C	[FORM FEED]	44	2C	,	76	4C	L	108	6C	1
13	D	[CARRIAGE RETURN]	45	2D	-	77	4D	M	109	6D	m
14	E	[SHIFT OUT]	46	2E	100	78	4E	N	110	6E	n
15	F	[SHIFT IN]	47	2F	1	79	4F	0	111	6F	0
16	10	[DATA LINK ESCAPE]	48	30	0	80	50	P	112	70	p
17	11	[DEVICE CONTROL 1]	49	31	1	81	51	Q	113	71	q
18	12	[DEVICE CONTROL 2]	50	32	2	82	52	R	114	72	ř
19	13	[DEVICE CONTROL 3]	51	33	3	83	53	S	115	73	5
20	14	[DEVICE CONTROL 4]	52	34	4	84	54	т	116	74	t
21	15	[NEGATIVE ACKNOWLEDGE]	53	35	5	85	55	U	117	75	u
22	16	[SYNCHRONOUS IDLE]	54	36	6	86	56	V	118	76	v
23	17	[END OF TRANS. BLOCK]	55	37	7	87	57	W	119	77	w
24	18	[CANCEL]	56	38	8	88	58	Х	120	78	X
25	19	[END OF MEDIUM]	57	39	9	89	59	Y	121	79	У
26	1A	[SUBSTITUTE]	58	ЗА		90	5A	z	122	7A	ž
27	1B	[ESCAPE]	59	3B	;	91	5B	1	123	7B	- {
28	1C	[FILE SEPARATOR]	60	3C	<	92	5C	Ň	124	7C	- î
29	1D	[GROUP SEPARATOR]	61	3D	=	93	5D	1	125	7D	}
30	1E	[RECORD SEPARATOR]	62	3E	>	94	5E	^	126	7E	~
31	1F	[UNIT SEPARATOR]	63	3F	?	95	5F		127	7F	[DEL]

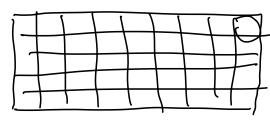
2 Covetten = 256 0,--,187: Ceretten noti 128-251: USO personale UNICODE : 17x2 Ceretter:

UNICODE : 17x2 CercHer: 1'114'112 CercH.
in uso ~96000

F primi 256 CereH. d. UMCODE = ASCII

A: Coolice 65 a: coolice 97 65 = 64 + 1 01000001 97 = 65 + 32 01100001

## Immagini, Suono



Pixel

Colore = RGB

0.-.1255 &bit 8bit 24bit #RGB

8 bit di luminosità

3ebit per punto per colore + luminosità

Schermo GK: 2 G000 x 1000 & Gx 10 Pixel. # bit = Gx 10 x 32 bit 4 Byte = 16 x 10 byte 2 10 MB

Frequenta 100 Hz =>  $100 \times 10 \text{ MB/s} = 1000 \text{ MB/s}$ immagine (refresh rate) Hz =  $s^{-1}$   $\simeq$  1 GB/sec.