



Curtin University

Inputs

ISYS5002, School of Marketing and Management

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I acknowledge the traditional custodians of
the land on which I work and live, and
recognise their continuing connection to land,
water and community. I pay respect to elders
past, present and emerging.







Decimal (base-10) Digits

0 1 2 3 4 5 6 7 8 9



Binary (base-2) Digits

0 1



Decimal (base-10)

1 2 3



Decimal (base-10)

100 10 1
1 2 3



Decimal (base-10)

100 10 1
1 2 3

100 x 1

Decimal (base-10)

100 10 1
1 2 3

$$100 \times 1 + 10 \times 2$$



Decimal (base-10)

100 10 1
1 2 3

$$100 \times 1 + 10 \times 2 + 3 \times 1$$



Decimal (base-10)

$$\begin{array}{ccc} 100 & 10 & 1 \\ 1 & 2 & 3 \\ 100 & + & 20 & + & 3 \end{array}$$



Decimal (base-10)

1 2 3



Decimal (base-10)

100 10 1
#

Decimal (base-10)

10^2 10^1 10^0
#

Binary (base-2)

2^2 2^1 2^0
#

Binary (base-2)

4 2 1

#

Binary (base-2)

4 2 1
0 0 0

Binary (base-2)

$$\begin{array}{ccc} 4 & 2 & 1 \\ 0 & 0 & 0 \\ 4 \times 0 & + 2 \times 0 & + 1 \times 0 \end{array}$$

Binary (base-2)

$$\begin{array}{ccc} 4 & 2 & 1 \\ 0 & 0 & 1 \\ 4 \times 0 & + 2 \times 0 & + 1 \times 1 \end{array}$$

Binary (base-2)

$$\begin{array}{ccc} 4 & 2 & 1 \\ 0 & 1 & 0 \\ 4 \times 0 & + 2 \times 1 & + 1 \times 0 \end{array}$$

Binary (base-2)

$$\begin{array}{ccc} 4 & 2 & 1 \\ 0 & 1 & 1 \\ 4 \times 0 & + 2 \times 1 & + 1 \times 1 \end{array}$$

Binary (base-2)

4 2 1
1 1 1

65



... A B C D E F G H...

... 65 66 67 68 69 70 71 72...



Text

72 73 33

H I
72 73 33



The **decimal** set:

0	nul	1	soh	2	stx	3	etx	4	eot	5	enq	6	ack	7	bel
8	bs	9	ht	10	nl	11	vt	12	np	13	cr	14	so	15	si
16	dle	17	dc1	18	dc2	19	dc3	20	dc4	21	nak	22	syn	23	etb
24	can	25	em	26	sub	27	esc	28	fs	29	gs	30	rs	31	us
32	sp	33	!	34	"	35	#	36	\$	37	%	38	&	39	'
40	(	41	)	42	*	43	+	44	,	45	-	46	.	47	/
48	0	49	1	50	2	51	3	52	4	53	5	54	6	55	7
56	8	57	9	58	:	59	;	60	<	61	=	62	>	63	?
64	@	65	A	66	B	67	C	68	D	69	E	70	F	71	G
72	H	73	I	74	J	75	K	76	L	77	M	78	N	79	O
80	P	81	Q	82	R	83	S	84	T	85	U	86	V	87	W
88	X	89	Y	90	Z	91	[	92	\	93	]	94	^	95	_
96	`	97	a	98	b	99	c	100	d	101	e	102	f	103	g
104	h	105	i	106	j	107	k	108	l	109	m	110	n	111	o
112	p	113	q	114	r	115	s	116	t	117	u	118	v	119	w
120	x	121	y	122	z	123	{	124	|	125	}	126	~	127	del



H I !
72 73 33

H I !
01001000 01001001 00100001



H

I

!

01001000

01001001

00100001

bytes

Images

72 73 33



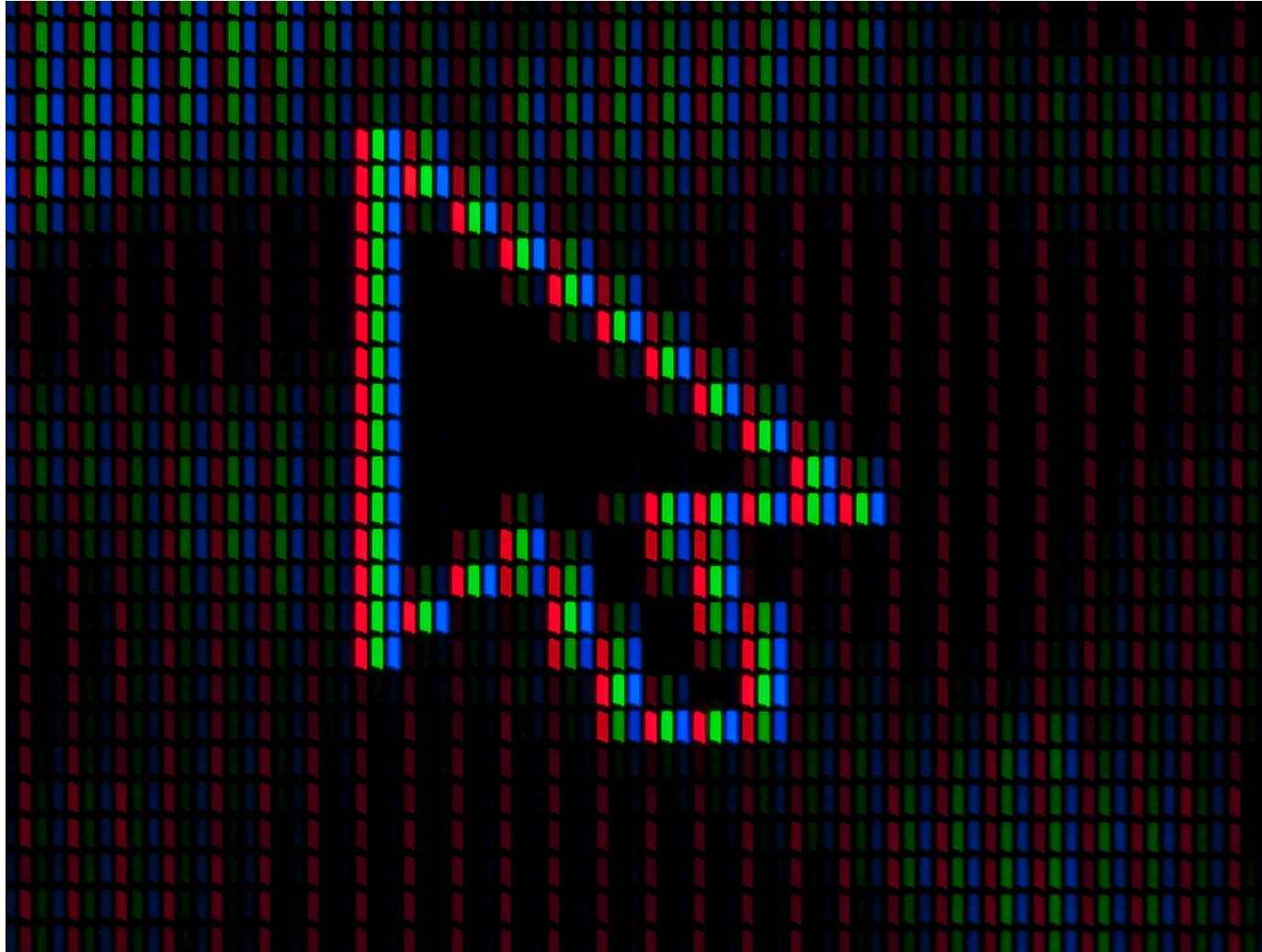
Images



Images



Images



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