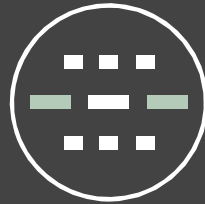




WIRTSCHAFTSINFORMATIK CODES





E

EXAMPLES

V

VOCABULARY

I

A MEASURE OF INFORMATION



E

V

I

EXAMPLES

MORSE CODE





E

V

I

EXAMPLES

ASCII CODE

A	B	C	D	...	a	b	c	d
65	66	67	68		97	98	99	100

!	"	#	\$
33	34	35	36

EXTENSIONS:
Unicode (32 bit)
UTF-8



E

V

I

RGB CODE

R

00

00000000

G

9E

10011110

B

E3

11100011





E

V

I

VOCABULARY

CODE



CONTEX
T



MEANING

SYMBOLS

NUMBER DIGITS



VOCABULARY



E

V

I

VOCABULARY

CODE

CONTEX
T

MEANING

Redundanz

0 0

0 1

1 0

1 1

Are the
British
invading? By
land or by
sea?

No

Land

Land

Sea



E

V

I

A MEASURE OF INFORMATION





E

V

I

A MEASURE OF INFORMATION

How many **YES** or **NO** questions do you need to ask, until you figured out the message?



Ask questions that eliminate **half of the possibilities!**



Avg. **information** in bits = $\log_2(\# \text{ symbols}) \times \text{digits}$