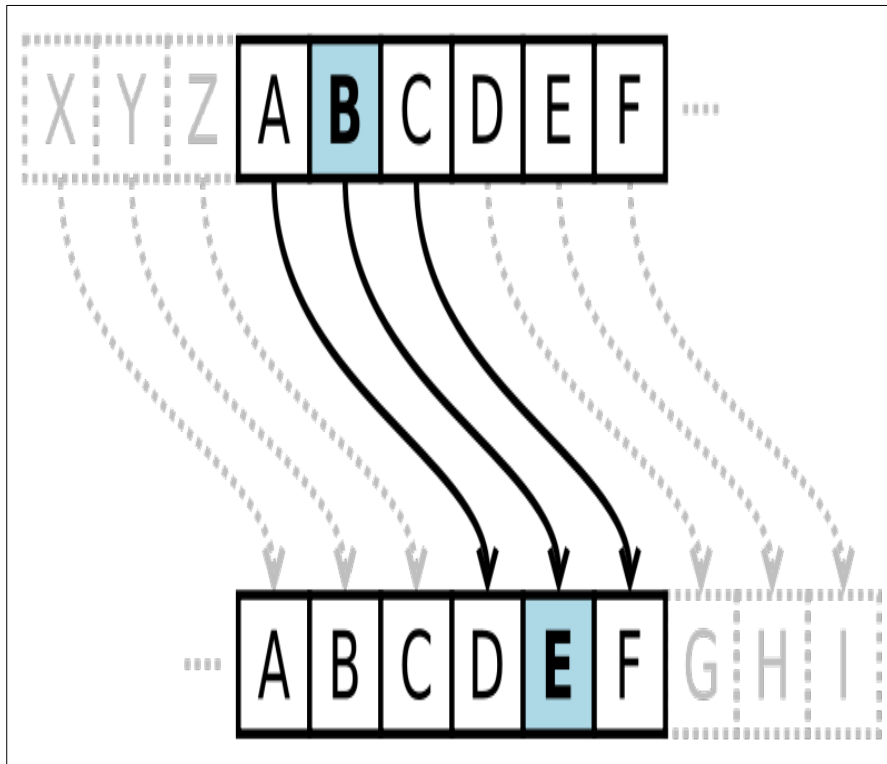


Encoding and Decoding Data

Data is often encoded, or converted into a different form using a set of rules, and then decoded and changed back into its original state.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Why Encode and then Decode Data?



Encoding data allows only for people who know the pattern to decode and understand the data. This comes in handy when you want a specific person to get your message, but want to keep it a secret to everyone else.

Morse Code



- Morse Code is a set of rules used to encode data
- Every letter is represented by a set of dots and dashes

Example 1

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Using the rules above where A = 1, B = 2, C = 3 ect. decode the following message

20-8-9-19 9-19 6-21-14

Example 2

Encoded	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Decoded	Z	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y

Using the code above, decode the following message

ZPV EJE JU

Answers to Examples

Example 1: THIS IS FUN

Example 2: YOU DID IT