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Operating with Bits, the PreProcessor and Enumerated Types

Write a C program that implements a magic decoder ring using bit operations and encryption.

TASK REQUIREMENTS:

Build a program that can encrypt and decrypt text using bit masks and XOR operations

• Implement a substitution cipher with the following table:

Implement a substitution cipner with the following table:										
Start	А	В	С	D	Е	F	G	Н	I	J
Sub	0	Р	Q	R	S	Т	U	V	W	Χ
Start	K	L	М	N	0	Р	Q	R	S	Т
Sub	Υ	Z	А	В	С	D	E	F	G	Н
Start	U	V	W	Х	Υ	Z	!	@	#	\$
Sub	I	J	K	L	М	N	/	@	"	#
Start	%	&	()	:	;	?	-	/	
Sub	\$	%	1	(:	;	?	-		
Start	0	1	2	3	4	5	6	7	8	9
Sub	4	5	6	7	8	9	0	1	2	3

Convert all input to uppercase before processing

- Use enumerated types for encrypt/decrypt modes
- Implement with proper file organization (separate .h and .c files)

SAMPLE OUTPUTS

NOTE: Your cip	oher shift is randomiz	ed - your output will o	differ from these examples
Encrypting a m	nessage:		

Decry	otina	a m	essa	ae:
	99	u	JUUG	go.

Bad input example:

Submission Instructions

Submit via video recording demonstrating your working program as outlined in Brightspace.