- Can you decrypt?
 - XUFHJ YMJ KNSFQ KWTSYNJW.
 YMJXJ FWJ YMJ ATDFLJX TK YMJ
 XYFWXMNU JSYJWUWNXJ. NYX
 HTSYNSZNSL RNXXNTS YT
 JCUQTWJ XYWFSLJ SJB BTWQIX, YT
 XJJP TZY SJB QNKJ FSI SJB
 HNANQNEFYNTSX, YT GTQIQD LT
 BMJWJ ST TSJ MFX LTSJ GJKTWJ.

- · Is there any single letter words in the CipherText.
- In English the only single letters are "I" and "a".
- Unfortunately there is no single letter words in the CipherText.

- Step 2
- Count how many times each letter appears in the CipherText

Α	В	С	D	Е	F	G	Н	ı	J	K	L	M
2	5	1	2	1		2	3	3		5	5	

N	O	Р	Q	R	S	Т	U	V	W	X	Y	Z
	0	1		1			4	0				2

- Step 2
- Count how many times each letter appears in the CipherText

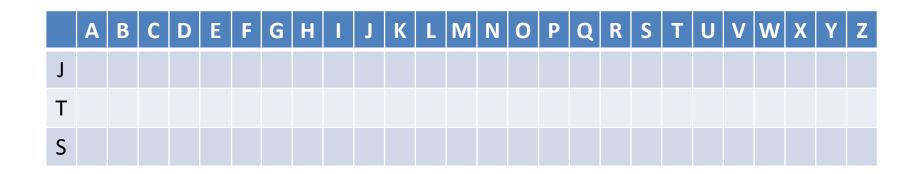
A	В	С	D	E	F	G	Н	ı	J	K	L	M
2	5	1	2	1	9	2	3	3	27	5	5	7

N	0	Р	Q	R	S	Т	U	V	W	X	Υ	Z
14	0	1	7	1	16	18	4	0	11	14	15	2

The top three letters in the CipherText are "J", "T" and "S".

- Step 3
- The most popular letters in the English language are:
- E, T, A, O, I, N, S, H, R, D, L, C, U, M, W, F, G, Y, P, B, V, K, J, X, Q, Z
- Unfortunately this only works for a large piece of text like a book, however for this small piece of text we can use the popular letters in English as a good guide.
- "J", "T" and "S" in the CipherText may not necessarily map to "E", "T" and "A" in PlainText.

- Step 4
- To find out what type of letter "J", "T" and "S" are we count how many times each letter appears before and after the letters below in the CipherText.



- Almost every English word contains at least one vowel. It is likely that vowels will be next to all the letters.
- Consonants are limited in the number of letters they appear next to.

	A	В	С	D	Ε	F	G	Н	1	J	K	L	M	N	0	P	Q	R	S	Т	U	V	W	X	Y	Z
J	0	3	1	0	0	0	1	1	0	2	2	2	5	1	0	1	0	0	6	0	0	0	7	5	1	0
Т	1	1	0	1	0	0	1	1	0	0	2	2	0	2	0	0	2	0	7	0	0	0	4	0	3	1
S	0	0	0	0	0	3	0	0	1	6	0	2	0	3	0	0	0	0	0	7	0	0	0	1	3	1

- "J" is a vowel. It appears next to 14 of the 26 letters
- "T" is a vowel. It appears next to 13 of the 26 letters
- "S" is a consonant. It appears next to 9 of the 26 letters

- "J" in CipherText most likely maps to "e" in PlainText because its a vowel and appears most often in the CipherText.
- To prove "J" maps to "e" we use one of the most common three letter words in the English language the word "the".
- In English language the letter "H" is often found before "e" but rarelyafter.

- Step 5
- This is a table of how many time each letter of the CipherText alphabet appears before and after the letter "J".

	Α	В	С	D	Е	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Υ	Z
After J	0	3	1	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	1	0	0	0	3	2	0	0
Before J	0	0	0	0	0	0	1	1	0	0	1	2	5	1	0	0	0	0	5	0	0	0	4	3	1	0

 In the CipherText the letter "M" appears five times before the letter "J". The letter "M" never appears after "J"

- Lets start replacing the CipherText letters with the PlainText letters.
- Replace "J" with "e" and "M" with "h".

х	U	F	Н	е		Υ	h	е		К	N	S	F	Q		К	w	Т	S	Υ	N	е	w					
Υ	h	е	х	е		F	w	е		Υ	h	е		Α	т	D	F	L	е	х		Т	K		Υ	h	е	
х	Υ	F	w	Х	h	N	U		е	S	Υ	е	w	U	w	N	Х	е	•		N	Υ	Х					
н	Т	S	Υ	N	S	Z	N	S			R	N	х	х	N	Т	S		Υ	Т		e	С	U	Q	Т	w	е
х	Υ	w	F	S	L	е		S	е	В		В	Т	w	Q	ı	х	,		Υ	т		X	е	е	Р		
Т	Z	Υ		S	е	В		Q	N	К	е		F	S	ı		S	е	В									
Н	N	Α	N	Q	N	E	F	Υ	N	Т	S	Х	,		Υ	Т		G	Т	Q	ı	Q	D		L	Т		
В	h	е	w	е		S	Т		Т	S	е		h	F	х		L	Т	S	е		G	е	К	Т	w	е	