

(Declaration of Indep.)
Cound # of each letter
Divide by total # of letter to got the prequency

If there's a 1-1 corres. b/w plaintext letters

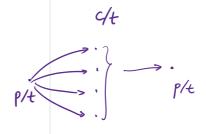
and ciphertext letters -> then greq. analysis

will break it. Remark:

2. Homophonic substitution: assign more than one ciphertext symbol $\,$ for each plaintext letter. The more common letters will have more possible replacements

a	b	С	d	е	f	g	h	i	j	k	1	m	1
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ENNEESSEE [[[]]]]]] 口 ↓ ▷ + 6 介 * 与 1 1 ÷ 122 2 1 4 3 * 6 W



. Con pool preq. analysis

Need a big alphabet. }

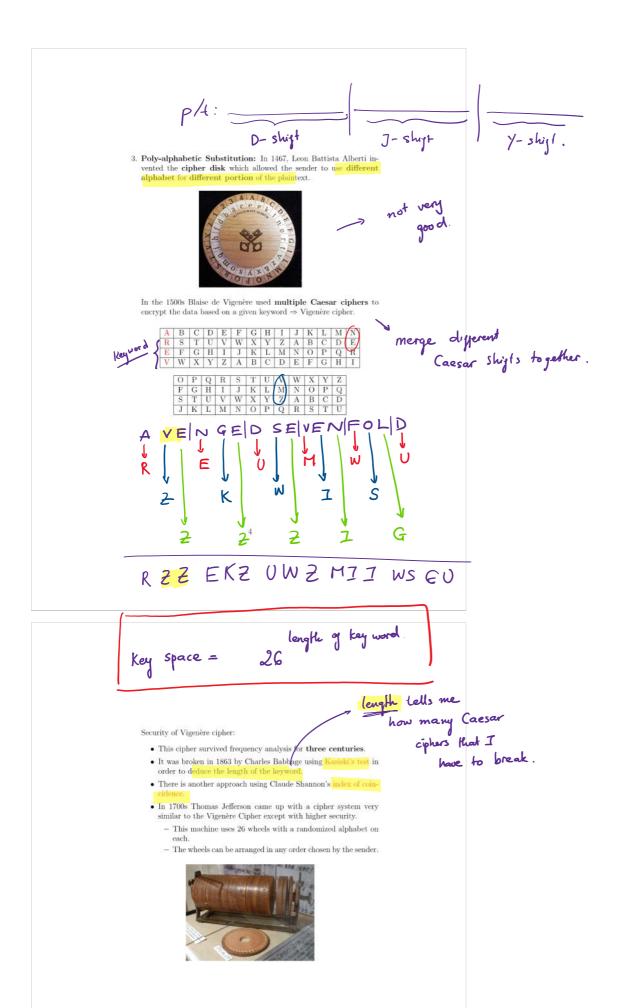
poly-alphabetic subs.

1 pt > mult. ct letter.

1 pt > mult. ct letter.

entropy of the language

(s(cater))



5

Rectangular transposition - Row Version

Encryption teps:

- 1. Prepare a $p \times q$ table where $p \cdot q = n =$ length of the text.
- 2. Put the letters of the plaintext in the table, row-by-row from left to right, from top to bottom.
- 3. Rearrange the columns and read the ciphertext the same way as above.

Example: Encrypt: THE BABOONS ARE COMING FOR YOU = (ength 25



1	2	3	4	5
B	Н	T	A	E
2	0	В	3	0
C	R	A	0	E
G	1	Н	F	N
0	R.	0	۱ 0	<u>'</u>
'_		1	_	<u>.</u> '

BHTAE NOBSO CRAOE

GIMFN OROUY

6 breaking this latter

What of I have 24 letters?

6x4 4x6 8x3 3x8 12x2 2x(2 24x1 - trivial 1x24

