

A03 - cipher 1

①

aoh

Based on typical frequency distribution 's' falls close to 'n' and 'h' falls near 'd'. This could therefore most likely be 'and' instead of 'aoh'.

It could be presumed that:

- s maps to n ($s \Leftrightarrow n$)
- h maps to d ($h \Leftrightarrow d$)

* add 'tfreq' in python dictionary to reflect

②

town → four? (presumed)

Therefore;

$w \Leftrightarrow u$

$n \Leftrightarrow r$

z

→ s previously maps to 'n' Therefore
 $s \Leftrightarrow r$

③

hsoze → sure?

Try $h \Leftrightarrow o$ and

$s \Leftrightarrow c$ (close proximity)

④

eyen → even?

Try $y \Leftrightarrow v$

⑤

amo → ego? (... years ago...)

$m \Leftrightarrow g$

⑥ fathers \rightarrow fethers

$i \leftrightarrow h$

⑦ prought \rightarrow brought

$p \leftrightarrow b$ (close proximity)

⑧ pen \rightarrow nen

$p \leftrightarrow n$

⑨ exual \rightarrow equal?

$x \leftrightarrow q$ (close proximity)

Doing all replacements gave answer:

"four score and seven years ago our fathers..."

AO3 - cipher

tae — the

$a \leftrightarrow h$

ba — by

$w \leftrightarrow y$

Oc — of

$c \leftrightarrow f$

cha — when

$w \leftrightarrow c$

Oi — on

$i \leftrightarrow n$

inexulted — inequities

$q \leftrightarrow r$

ml

r is close to a

L is close to d

$r \leftrightarrow a$

$d \leftrightarrow l$

kharity — chemistry

$k \leftrightarrow c$

Done

Si — is

$s \leftrightarrow i$

righteous — rations

$m \leftrightarrow u$

wan — wan

$m \leftrightarrow w$

yach — path

$y \leftrightarrow p$

y exact — exact

$b \leftrightarrow y$