A Natural Language URL-Shortener

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➤ *https://www.hackerschool.com/manual#sec-history*

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less susceptible to corruption in transmission
concealment of final destination

key element: variable part of a shortened URL ("path")

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- ➤ http://7.ly/**jMau**
- ➤ http://2.gp/**zkSE**
- ➤ http://qr.net/**Bozx**
- ➤ http://bit.ly/**TGlQtH**
- ➤ http://x.vu/**KC4s4e**
- ➤ http://ow.ly/**xQNbx**
- ➤ https://t.co/**ZfUR4euiph**

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easy to remember?

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easier to remember
short only if you get there first

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The trick to picking always-readable short URL-paths:

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The trick to picking always-readable short URL-paths:

   use the characters for the most common Chinese words

Chinese characters

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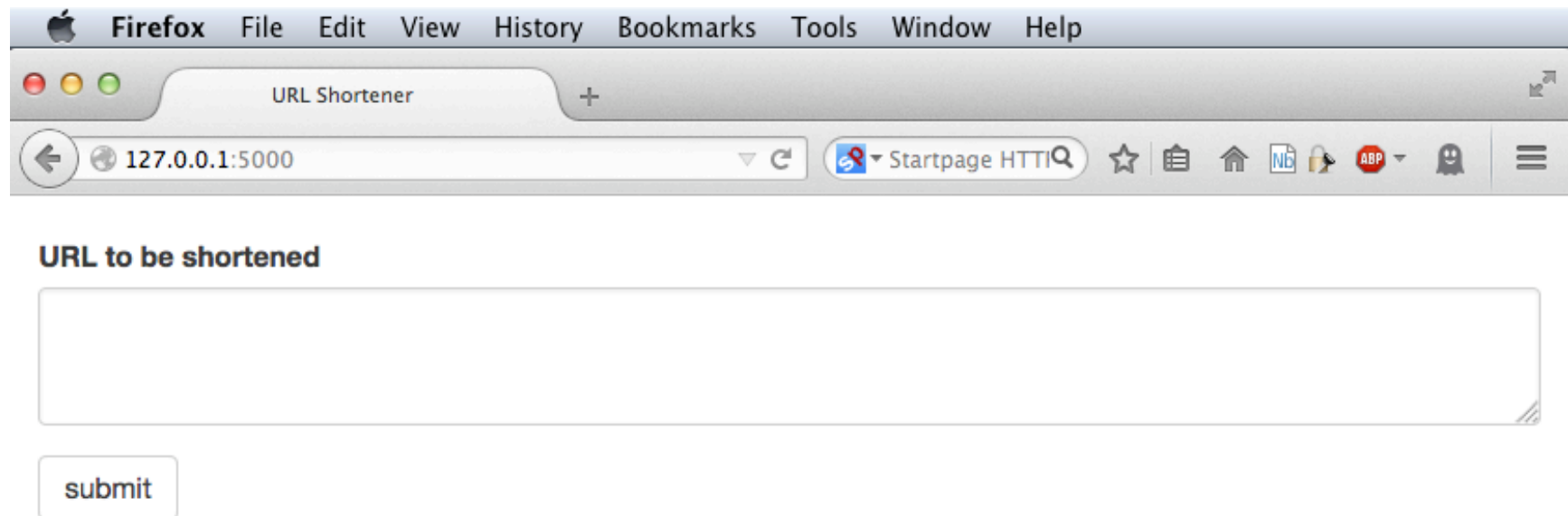 1692 $\{x : x \in \{simp\} \cap \{trad\}\}$

compare to two-character Roman letters (upper/lower):
  $52 \times 52 = 2704$

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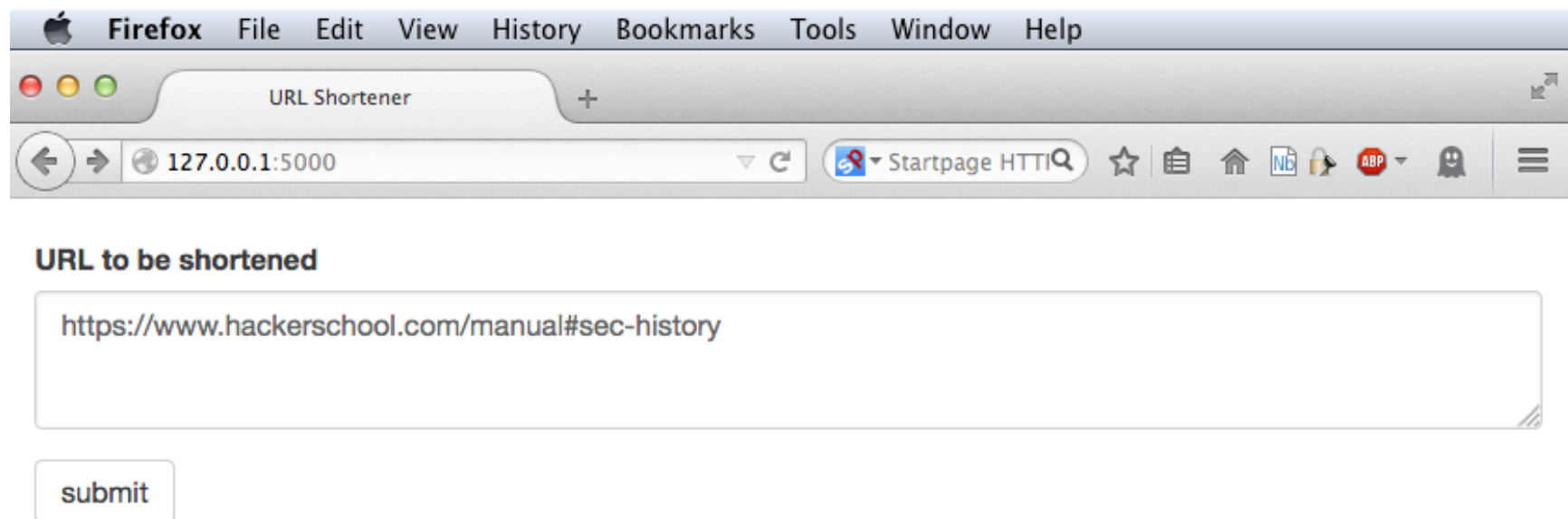
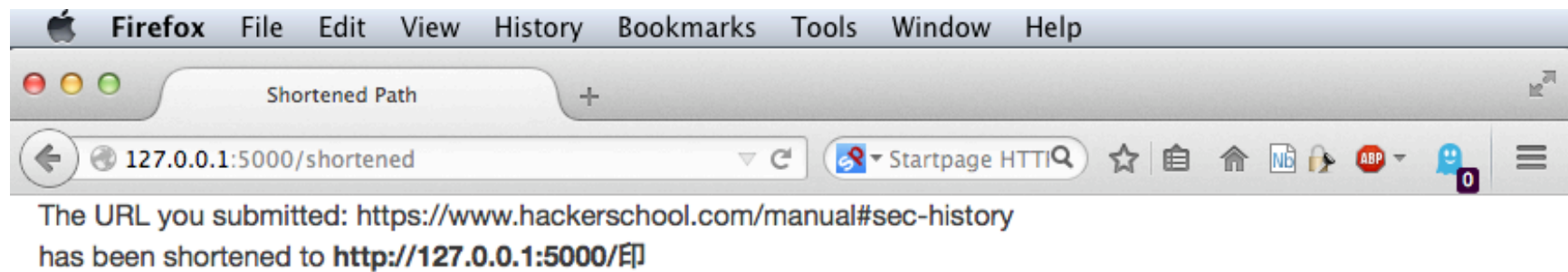compare to two-character Roman letters (upper/lower):
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readable?	guaranteed	probably not

Code for proof-of-concept on my public Git repository.

The URL you submitted: https://www.hackerschool.com/manual#sec-history
has been shortened to **http://127.0.0.1:5000/印**

First c. 2650 URLs ➤ one character

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Next c. 2650 x 2650 = 7022500 URLs ➤ two characters

http://127.0.0.1:5000/厉吉

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http://127.0.0.1:5000/厉吉

Next 18,609,625,000 URLs ➤ three characters

http://127.0.0.1:5000/天鼻歪

Always readable

Always readable (may not make sense...)

Note:

Always readable (may not make sense…)

Note: many custom shorteners allow Chinese characters:

http://bit.ly/史

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Also note:

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Also note: the advantage of shortening to Chinese does not mean bandwidth savings:

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Note: many custom shorteners allow Chinese characters:

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Also note: the advantage of shortening to Chinese does not mean bandwidth savings:

http://bit.ly/史 may be sent from your browser as
http://bit.ly/%E5%8F%B2

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