

Attention All High School Students!



What? 2012 North American Computational Linguistics Olympiad

When? February 2, 2012
(January 28 practice session)

Where? Dalhousie Faculty of Computer Science

Register today at:
web.cs.dal.ca/~naclo

Why?

Try your hand at deducing the logic behind a new way to text, search engine results or even an ancient script!

Compete for a chance to go to the International Competition!

Meet students from across the province!

No participation fee!

iPod touch for top contestant!

A yellow ribbon with a white outline and a scalloped edge, tied at the bottom. Inside the ribbon, the text "Prizes for top three" is written in black.

Prizes
for top
three

Join the “Dalhousie NACLO” Facebook Group

Check out the website (web.cs.dal.ca/~naclo)

Or contact us — your local NACLO organizer:

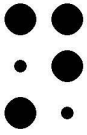
Dr. Vlado Keselj — Professor (vlado@cs.dal.ca)

*Check out the problem on the reverse
and more on the website: web.cs.dal.ca/~naclo*

(20 points)

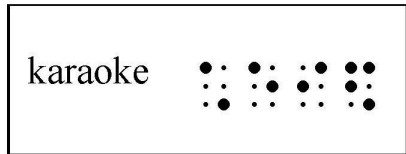
(A) Tenji karaoke (1/1)

Braille is a tactile writing system, based on a series of raised dots, that is widely used by the blind. It was invented in 1821 by Louis Braille to write French, but has since been adapted to many other languages.



English, which uses the Roman alphabet just as French does, required very little adaptation, but languages that do not use the Roman alphabet, such as Japanese, Korean, or Chinese, are often organized in a very different manner!

To the right is a Japanese word written in the *tenji* (“dot characters”) writing system. The large dots represent the raised bumps; the tiny dots represent empty positions.



A1. The following *tenji* words represent *atari*, *haiku*, *katana*, *kimono*, *koi*, and *sake*. Which is which? You don’t need to know either Japanese or Braille to figure it out; you’ll find that the system is highly logical.

a. _____	b. _____
c. _____	d. _____
e. _____	f. _____

A2. What are the following words?

g. _____	h. _____
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A3. Write the following words in *tenji* characters. Please write very legibly!!

i. samurai	j. miso
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