

Ninth International Olympiad in Linguistics  
Pittsburgh (United States of America), July 24–31, 2011

Individual Contest Solutions

**Problem #1.** The Menominee verb forms have the following structure:

<b>ne-</b> I <b>ke-</b> we <sub>1+2</sub> <hr/> <b>—</b> he	<b>kaw</b> down <b>ket</b> out <b>kēsk</b> through <b>pahk</b> off <b>pāhk</b> open <b>pīt</b> hither <b>taw</b> pierce <b>wack</b> around <b>wāp</b> begin	<b>-āhpe</b> laughing <b>-ānæhkæ</b> digging <b>-eqta</b> — <b>-ohnæ</b> walking	<b>intransitive verb:</b> <b>-m</b> I <b>-q</b> we <sub>1+2</sub> <b>-w</b> he
		<b>-ah</b> by tool <b>-aht</b> by mouth <b>-en</b> by hand <b>-es</b> cutting	<b>transitive verb:</b> <b>-an</b> I <b>-æq</b> we <sub>1+2</sub> <b>-am</b> he

If both first vowels in the word are short, the second becomes long (**e** > **āe**).

- (a)    • **kekēskahæq:** we<sub>1+2</sub> chop it through, break it through by tool
  - **nepāhkenan:**
    - I open, uncover it by hand ( $\sqrt{\text{pāhk}}$ ),
    - I break it off, tear it off by hand ( $\sqrt{\text{pahk}}$ )
  - **wāpāhpew:** he begins laughing
- (b)    • I begin to eat it: **newāepahtan**
  - we<sub>1+2</sub> lay it flat by hand: **kekāwenæq**
  - he digs a hole: **tawānæhkæw**
  - he walks out: **ketōhnæw**

**Problem #2.**

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| (a) <b>bøga</b> [bø:va]<br><b>knoðar</b> [knor:ar]<br><b>kvøða</b> [kvø:a]<br><b>løgur</b> [lø:vur]<br><b>plága</b> [pløava]<br><b>skaði</b> [skeají]<br><b>toygur</b> [tøijur]<br><b>trúgi</b> [tru:uwi] | (b) In the first syllable <b>a</b> [ea], <b>á</b> [øa], <b>e</b> [e:], <b>ei</b> [ai], <b>ey</b> [ei], <b>i</b> [i:], <b>o</b> [o:], <b>oy</b> [ɔi], <b>ó</b> [ɔu], <b>u</b> [u:], <b>ú</b> [u:], <b>ø</b> [ø:].<br>Between vowels <b>ð</b> = <b>g</b> . The first applicable rule is applied: <ol style="list-style-type: none"> <li>1. <b>ð/g</b> [w]   [u(:)] __;</li> <li>2. <b>ð/g</b> [j]   [i(:)] __ or __ [i(:)];</li> <li>3. <b>ð/g</b> [v]   __ [u(:)];</li> <li>4. <b>ð/g</b> [v] in a noun, [Ø] in a verb.</li> </ol> |
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