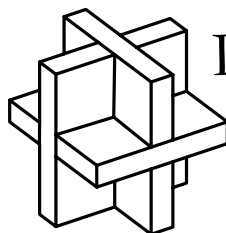


Adalogical Ænigmas

No. 74



Pavel's Puzzles

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Gentle solver,

Like most folk of an *investigative* disposition, I have long been fascinated by *mirrors*, those objects essential both to the study of optics and to daily life. (Recall that I spoke of them in an *earlier* missive, some fifty Ænigmas ago!) In their application to matters of *vanity*, one views mirrors straight on, but rarely so in science, where it is their ability to *bend* light that renders them useful.

It is this latter quality that inspired the Ænigma that follows.

In the grid below, I desire that you should draw a single, closed loop, horizontally or vertically connecting the centres of adjacent squares. Unusually for my works, your loop may *cross* itself, but *only* in those squares marked with 'plus' signs; indeed, it *must* cross itself in every such square.

Your loop must also pass through every square marked with a black *triangle*, making a 90° turn there as if the triangle were a *mirror* that reflected it. A number on a triangle specifies the *precise* quantity of squares visited by the two *straight* sections of loop that meet at that triangle (including the square containing the triangle).

Once you have finished your loop, you may move on to finding the final answer to my Ænigma. Beginning by walking *East* from the top-left corner of the grid, please traverse your entire loop. At each square where you make a *right-hand* turn, advance the accompanying letter in the alphabet (wrapping around from Z to A as necessary) by the number that could appear if there were a mirror triangle in that square. Reading the resulting letters in loop order will reveal a clue to your final answer.

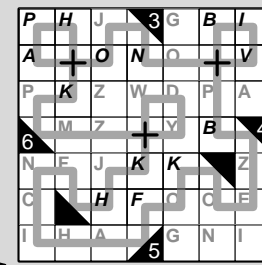
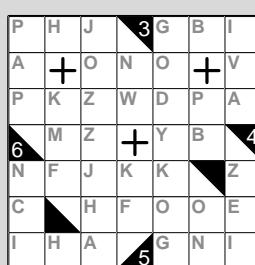
Good luck!

Ada

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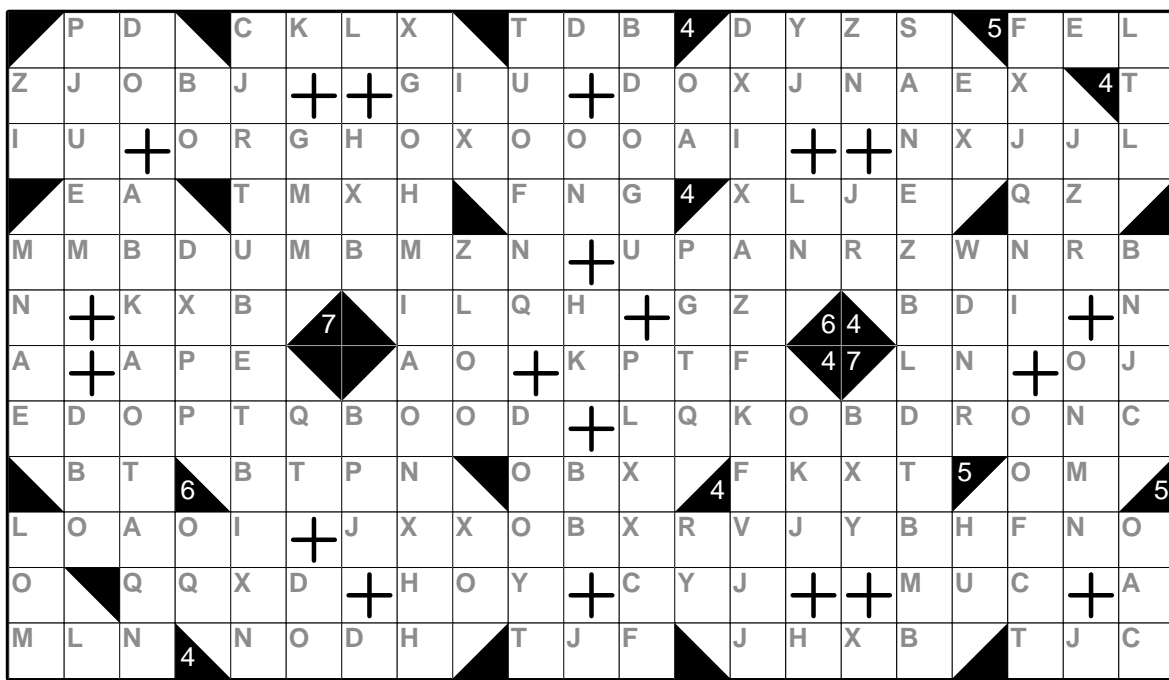
Example



H + 4 = L	B + 5 = G
K + 4 = O	I + 3 = L
K + 4 = O	V + 5 = A
H + 3 = K	N + 5 = S
F + 3 = I	O + 4 = S
K + 3 = N	A + 4 = E
B + 5 = G	P + 3 = S

Answer:
LOOKING GLASSES

Need assistance with Ada's Ænigma? Hints and other help are available at www.pavelpuzzles.com/aenigmas/74



Send your answer to aenigma@pavelpuzzles.com by 12/31/2019: you'll earn a **10% discount** at Pavel's Puzzles and could win a **free physical puzzle!** Details at www.pavelpuzzles.com/aenigmas/74.
