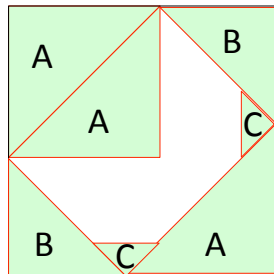
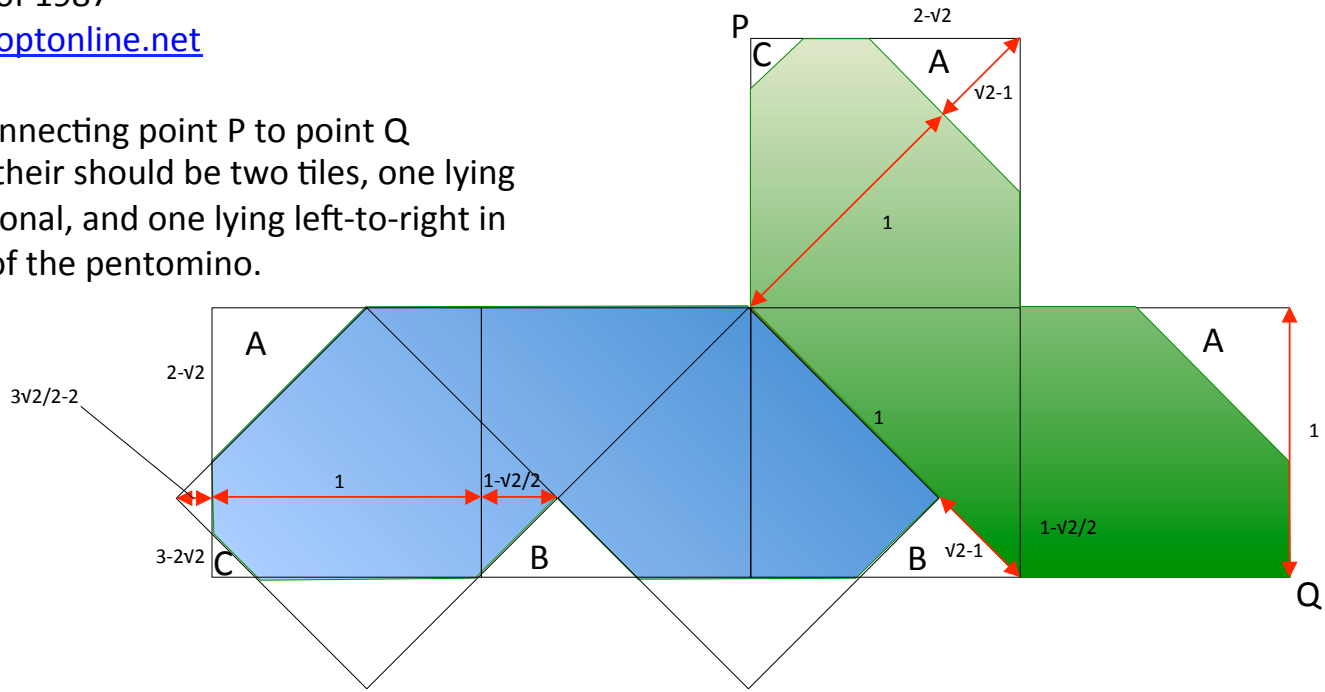


SOLUTION FROM
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The diagonal connecting point P to point Q suggested that there should be two tiles, one lying across that diagonal, and one lying left-to-right in the remainder of the pentomino.



TOTAL AREA MISSING (AS SHOWN TO THE LEFT):

$$\begin{aligned}
 &3A + 2B + 2C \\
 &= 3(1/2)(2-\sqrt{2})^2 + 2(1/2)(\sqrt{2}-1)^2 + (3-2\sqrt{2})^2 \\
 &= 29 - 20\sqrt{2} \\
 &= 0.716
 \end{aligned}$$

PERCENTAGE COVERED:

$$(5 - 0.716) / 5 = 86\%$$