

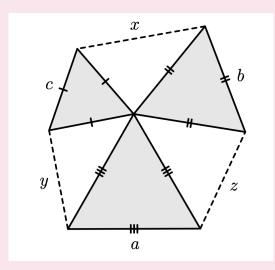
PoTW 24: Week of 12-31-2021 (solution)*

Problem of the Week at shsmathteam.com

Problem of the Week #24: Iranian brain teaser

Geometry Source: IGO

In the figure below, a, b, and c are the side lengths of the three shaded equilateral triangles. Prove that 3(x+y+z) > 2(a+b+c).



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Solution:

