

$$\overline{AC}^2 + \overline{AB}^2 = 2\overline{AC}^2 = 2(\overline{CD}^2 + \overline{AD}^2),$$

továbbá

$$\overline{BC}^2 = \overline{CD}^2 + \overline{BD}^2,$$

tehát

$$\overline{AB}^2 + \overline{AC}^2 + \overline{BC}^2 = \overline{BD}^2 + 2\overline{AD}^2 + 3\overline{CD}^2.$$

(Fischer Marcell, Szeged.)