

$$S = \frac{bc}{(a-c)(a-b)} + \frac{ac}{(b-c)(b-a)} + \frac{ab}{(c-a)(c-b)} =$$

$$= \frac{bc(b-c) - ac(a-c) + ab(a-b)}{(a-b)(a-c)(b-c)}.$$

De

$$(a-b)(a-c)(b-c) = a^2b - ab^2 + b^2c - bc^2 + c^2a - ca^2 =$$

$$bc(b-c) - ac(a-c) + ab(a-b)$$

s így

$$S = 1.$$

(Ungár Andor, Zenta)