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This new, occasionally appearing column, highlights situations that reappear in *Crux* problems. In this issue problem editor J. Chris Fisher examines cyclic orthodiagonal quadrilaterals.

This month's "free sample" is:

3712. *Proposé par Johan Gunardi, étudiant, SMPK 4 BPK PENABUR, Jakarta, Indonésie.*

Montrer que pour trois nombres réels positifs arbitraires a, b, c , on a

$$\sqrt{\frac{a(a^2 + bc)}{b + c}} + \sqrt{\frac{b(b^2 + ca)}{c + a}} + \sqrt{\frac{c(c^2 + ab)}{a + b}} \geq a + b + c.$$

.....

3712. *Proposed by Johan Gunardi, student, SMPK 4 BPK PENABUR, Jakarta, Indonesia.*

Prove that for any positive real numbers a, b, c

$$\sqrt{\frac{a(a^2 + bc)}{b + c}} + \sqrt{\frac{b(b^2 + ca)}{c + a}} + \sqrt{\frac{c(c^2 + ab)}{a + b}} \geq a + b + c.$$