$$9>1$$
 real numle:
$$\frac{1}{t} + \frac{1}{9} = 1$$

fler:

$$\sum_{j=1}^{n} a_{j} b_{j} \leq \left(\sum_{j=1}^{n} a_{j}^{n}\right)^{\frac{1}{2}} \left(\sum_{j=1}^{n} b_{j}^{n}\right)^{\frac{1}{2}}$$

$$p_1, p_2 - 1, p_k \in \mathbb{R}_+$$
 s.t $\sum_{i=1}^{k} \frac{1}{p_i} = 1$

Gowler (a)
$$\frac{Q_{1}^{2}}{P_{1}^{2}} = (out)$$
 $\frac{Q_{1}^{2}}{P_{1}^{2}} = (out)$
 $\frac{Q$

$$\frac{\sigma_1^P}{\rho_1^q} = \frac{\sigma_2^P}{\rho_2^q} = \dots = \frac{\alpha_n^P}{\rho_n^q}$$

$$\frac{\sigma_{i'j} \cdot \rho_{i'}}{\sigma_{i'j}} = could \cdot ...,$$

$$99>1$$
 real nule: $\frac{1}{r}+\frac{1}{9}=1$

fler:

$$\sum_{j=1}^{n} a_{j} b_{j} \in \left(\sum_{j=1}^{n} a_{j}^{p}\right)^{\frac{1}{p}} \left(\sum_{j=1}^{n} b_{j}^{q}\right)^{\frac{1}{q}}$$

$$\frac{a_1^P}{b_1^9} = \frac{a_2^P}{b_2^9} = \dots = \frac{a_n^P}{b_n^P}.$$

$$S = \frac{x_1 \times_{2--} \times_{4}}{(\alpha + x_1)(x_1 + x_2) \cdot (x_4 + b)}$$

$$2 (\alpha \times_{1} - - \cdot 2 (x_2 + b))$$

Hilder
$$n+1$$

$$(a+x_1)(x_1+x_2) = (x+6) \times (x+6$$

$$S \leq \frac{x_{1} - x_{2}}{x_{1} - x_{2}} = \frac{x_{2}}{x_{2}} = \frac{x_{3}}{x_{2}} = \frac{x_{4}}{x_{4} - 1} = \frac{b}{x_{4}}$$

$$\times_{k} = \alpha \cdot \left(\frac{b}{a}\right)^{k(m)} \cdots$$

$$a_{i'} = \sqrt{c+2} \left(x_{i'} + x_{i'+1} \right)$$

$$b_{i'} = 2\sqrt{x_{i}^{2} + cx_{i'} x_{i+1} + x_{i+1}^{2}}$$

$$a_{i'} = \sqrt{c+2} \left(x_{i'} + x_{i'+1} \right)$$

$$b_{i'} = 2 \sqrt{x_{i'}^{2} + c x_{i'} x_{i'+1} + x_{i'+1}^{2}}$$

$$0 = \sum_{i}^{1} (a_{i} - b_{i}) = \sum_{i}^{1} \frac{a_{i}^{2} - b_{i}^{2}}{a_{i} + b_{i}^{2}} = \sum_{i}^{1} \frac{(c-2)(x_{i} - x_{i}\eta)^{2}}{a_{i} + b_{i}^{2}}$$

$$\sum_{i}^{1} \frac{(x_{i} - x_{i}\eta)^{2}}{a_{i} + b_{i}^{2}} = 0$$

$$\sum_{i}^{1$$

$$x = \sin(a), y = \sin(b)$$

$$x, y, z, u \in [-1,1]$$

$$x + y + z + u = 1$$

$$\cos(2a) = 1 - 2\sin^2(a) = 1 - 2\cos^2(a) =$$

$$A - H - Q M$$

$$\sqrt{\frac{x^{2} + y^{2} + z^{2}}{3}} \ge \frac{x + y + z^{2}}{3}$$

$$= \frac{(1 - u)^{2}}{3} + u^{2}$$

$$= \frac{(1 - u)^{2}}{3} + u^{2}$$

$$= \frac{1}{3} + u^{$$

u e [0, 2]

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