Muirhead 1328

Muinhead 管理是排序的体现,描述了"散乱程度小的和转大"这一观象. 管理 (Muinhead) 如 3 02 2 03 20, b, 2 bz 2 b3 20,

201 (1) 22 b1 ≥ Q2 > a1 ≥ a1+a2-b1

x a, > b, ⇒ a, > max(a, + a2 - b1, b1)

> max (a, a) = a, > max (a,+a2-b1, b1)

To a1+a2-b1 > b1+a3-b1=a3 (a1+a2-b1 > b2 > b3

 \Rightarrow max($a_1+a_2-b_1,a_3$) \Rightarrow max(b_2,b_3).

应用病x bunching:

$$\sum_{a} \sum_{b} x_{a} \lambda_{b} \lambda_{b} \lambda_{b} \lambda_{b} \lambda_{b}$$

$$= \sum_{a} \sum_{b} x_{a} (\lambda_{a} \lambda_{a} + \lambda_{a} \lambda_{a})$$

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(2) 2/2 by = O2.

361 3 61+62+63 = 04+02+03 3 61+02+03

⇒ b1 > a2 + a3 - b1, a1 > a2 > b1 > a2 + a3 - b1.

→ max (a2, a3) > max (b1, a2 + a3 - b1)

max (a4, a2 + a3 - b1) > max (b2, b3).

麦似地, 连续用两次 burching:

$$\begin{array}{l}
\text{Sym} \times \sqrt{a_{1}} & \sum_{a_{1}} \sqrt{a_{2}} & \sum_{a_{2}} \sqrt{a_{2}} & \sum_{a_{3}} \sqrt{a_{2}} & \sum_$$

科注等成色(⇒ x=y=3.

但着 x,y, 320 张为 x,y, 320,

TR a,a,a, b, b, b, b, b, b,

ω 35 ix 2 (=> x=y=3 bt x=y, 3=0 st x=3, y=0 st y=3, x=0.

新论 (Neshit) a,b,c>o,求社:

12/1 (IMO 1995) a.b.c>0, abc=1, *x37:

左式参数 >0 ← Muintread.

<u>िर्धा</u> (१३म १९६) ४,४,३>०. केसः

$$(xy + y + 3 + 3x) \left(\frac{1}{(x + y)^2} + \frac{1}{(y + 3)^2} + \frac{1}{(3 + x)^2} \right) > \frac{1}{4}.$$

13/13 x,y,3>0, xy+y3+3x=1. 年記:

$$\frac{x+y}{1} + \frac{y+y}{1} + \frac{3+x}{1} > \frac{5}{2}$$

部 xy+y3+3x=1, 赤水化:

$$(\Rightarrow 4 \sum_{s \neq m} x^{s} y + \sum_{s \neq m} x^{4} y^{2} + 14 \sum_{s \neq m} x^{3} y^{2} y + 38 x^{2} y^{2} y^{2}$$

$$\geq \sum_{s \neq m} x^{4} y^{2} + 3 \sum_{s \neq m} x^{3} y^{3}.$$

$$(\Rightarrow \left(\sum_{s\neq m} x^{s} y - \sum_{s\neq m} x^{4} y^{2}\right) + 3\left(\sum_{s\neq m} x^{5} y - \sum_{s\neq m} x^{3} y^{3}\right)$$

本語 茶成成末 xy+y3+3x=1、等成注料 X=y,3=o 成 x=3,y=o 成 y=3,x=o, 在上語中、等介于(x,y,3)=(いいo)、(いo,1)、(o,1、1)。