

2008-2007 :

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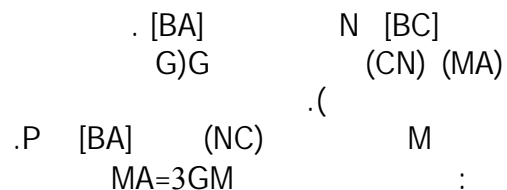
: 1

$$\sqrt{3+\sqrt{5}}\sqrt{4+\sqrt{13+\sqrt{5}}}\sqrt{4-\sqrt{13+\sqrt{5}}} = 2$$

: x : 2

$$2^{2x} - \frac{63}{8}2^x - 1 = 0$$

ABC : 3



: 4

: n

$$1 + \frac{1}{1+\sqrt{2}} + \frac{1}{\sqrt{2}+\sqrt{3}} + \frac{1}{\sqrt{4}+\sqrt{3}} + \dots + \frac{1}{\sqrt{n}+\sqrt{n+1}} \geq 20\sqrt{5}$$

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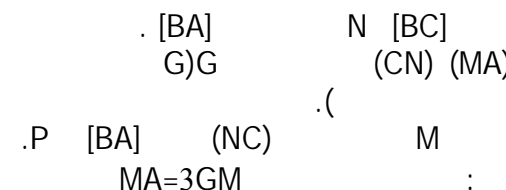
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