

# Problem

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- *From:* Peper <peper@xxxxxxxx>
  - *Date:* Fri, 02 Dec 2005 01:26:49 +0100
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three positive real numbers  $a, b, c$  with  
 $ab + bc + ca = 3$

prove that:

$$a^3 + b^3 + c^3 + 6abc \geq 9$$

Any hints how to do that?

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Best Regards,  
Peper

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- *Follow-Ups:*
  - ◆ **Re: Problem**
    - ◇ *From:* David Moran
- Prev by Date: **Re: suitable interpolation polynomial?**
- Next by Date: **Re: ? what is the x maximizing norm(b) where b = A\*x**
- Previous by thread: **FLT case 1**
- Next by thread: **Re: Problem**
- Index(es):
  - ◆ **Date**
  - ◆ **Thread**