Re: Noetherian??

Source: http://sci.tech−archive.net/Archive/sci.math/2005−07/msg04152.html

- *From*: quasi <quasi@xxxxxxxx>
- *Date*: Tue, 26 Jul 2005 16:54:34 −0700

On Tue, 26 Jul 2005 16:44:56 −0700, quasi <quasi@xxxxxxxx> wrote:

>Let T be the ring R+xR[x,y] and let J be xR[x,y] so J is an ideal of
>T. Does the ideal (x) in T contain the element xy? If so, show it. If
>not then (x) is a proper ideal of (x,xy) which is a subideal of J,
>where all ideals are viewed as ideals of T.

To correct the terminology, change the sentence:

>If not then (x) is a proper ideal of (x,xy) which is a subideal of J,
>where all ideals are viewed as ideals of T.

to this:

>If not, then the ideal (x) is a proper subset of the ideal (x,xy) which is a subset of the ideal J,
>where all ideals are viewed as ideals of T

To say (x) is an ideal of (x,xy) is confusing since (x,xy) is just an
ideal of T.

quasi
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- ***Follow−Ups***:
  - ♦ ***Re: Noetherian??***
    - ◊ *From:* quasi

- ***References***:
  - ♦ ***Noetherian??***
    - ◊ *From:* crooner
  - ♦ ***Re: Noetherian??***
    - ◊ *From:* quasi

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