Subject: Re: endless loop problem
Posted by penteado on Sun, 06 Dec 2009 23:28:43 GMT
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On Dec 6, 9:11 pm, Elkunn <wasit.weat...@gmail.com> wrote:
> Hi All,
> I would like to run iterations until a condition is met. But it runs
> non-stop. What is the problem with the following code? The problem is
> L reaches the value 1.2840277, but the loop still loops and gives
> 1.2840277 over and over. How to I stop it when it reaches to
> 1.2840277?
> Thanks
>
     ;E1 = Unit vector, known
>
    ; Z is known matrix
>
>
     REPEAT BEGIN
       C = Z##E1
>
       L = sqrt(EC[0]+EC[1])
>
       E1 = EC/L
>
       print,L
>
       ;Keep going until nothing is moved.
>
    ENDREP UNTIL L LT 1.2840277
>
>
```

L does not change because you are calculating the same thing over and over again. L only depends on EC[0] and EC[1], and neither changes when you go through the loop. So if L does not happen to be <1.2840277, the loop will never end.