
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.
