
Subject: Re: ackermann number

Posted by [rogass](#) on Wed, 31 Aug 2011 09:44:01 GMT

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On 31 Aug., 10:39, chris <rog...@googlemail.com> wrote:

```
> Hi folks,  
> I try to compute the ackermann number, but unfortunately my code is  
> somehow erroneous. Additonally, I need it in hexadecimal form in a text  
> file. Some ideas how to solve this problem?  
>  
> Thanks and best regards  
>  
> CR  
>  
> function ack,m,n  
>  
> while (1) do begin  
>     switch m of  
>         0      :  return, n+1u  
>         1      :  return, n+2u  
>         2      :  return, ishft(n,1u)+3u  
>         3      :  return, ishft(1u,n+3)-3u  
>     else: begin  
>             if n eq 0 then begin  
>                 n      =  0u  
>             endif else begin  
>                 n      =  ack4(m,n-1u)  
>             endelse  
>             m--  
>             break  
>         end  
>     endswitch  
> endwhile  
> end
```

A little typo:

n = ack(m,n-1u)
