Subject: Task 9 Precision
Posted by wscarl on Sat, 17 Sep 2016 16:54:04 GMT

Is there a specific number of terms we should be able to calculate? For some reason, my code seg faults if the number is greater than 2516, but works fine with any value below.

Previously I had issues with returning int values instead of reals, so I casted a few values as real. I've since fixed that issue and I deleted a few of these (real) calls, which upped the ceiling from 1792 to 2516.

Any ideas as to what might be causing this?

Subject: Re: Task 9 Precision
Posted by lusth on Sat, 17 Sep 2016 17:22:41 GMT

Would you submit your code so I can see what is causing the seg fault (that shouldn't happen).

submit proglan lusth test

Subject: Re: Task 9 Precision
Posted by wscarl on Sat, 17 Sep 2016 18:22:22 GMT

Submitted! The version I submitted still has the real conversions and do not work for any value over 1792 on this computer.

Subject: Re: Task 9 Precision
Posted by lusth on Sun, 18 Sep 2016 19:08:11 GMT

It seems to be failing just before it runs out of stack space. If I reduce the stack space a little bit, I get the infinite recursion. A quick look didn't reveal anything obvious. I'll dig into more deeply in a bit.

Subject: Re: Task 9 Precision
Posted by lusth on Tue, 20 Sep 2016 15:33:11 GMT

Still couldn't find the problem. However, I recompiled Scam without optimizing the compiled code, and things seemed to start working again.
What OS are you running on? I'll check that implementation.

Subject: Re: Task 9 Precision
Posted by lusth on Wed, 28 Sep 2016 14:49:15 GMT