IBM

Ponder This

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September 2014

<<August **September** October>>

Ponder This Challenge:

Let b = (2^3^4^5) / (e^n), otherwise stated as "two to the power of (three to the power of (4 to the power of 5)) over e to the nth power", where n is an integer such that
1 < b < e.
Find b, with an accuracy of 10 decimal digits.

Update (9/11): There is a rather elegant way to solve this problem. We've added a star to solvers who found it.

We will post the names of those who submit a correct, original solution! If you don't want your name posted then please include such a statement in your submission!

We invite visitors to our website to submit an elegant solution. Send your submission to the ponder@il.ibm.com.

If you have any problems you think we might enjoy, please send them in. All replies should be sent to: ponder@il.ibm.com

Challenge: 09/01/2014 @ 12:00 PM EST
Solution: 10/01/2014 @ 12:00 PM EST
List Updated: 09/18/2014 @ 12:00 PM EST

People who answered correctly:

Dan Dima (08/29/2014 03:57 PM EDT)
Dezhi Zhao (08/31/2014 04:42 AM EDT)
***Radu-Alexandru Todor** (09/01/2014 07:27 AM EDT)
Daniel Bitin (08/31/2014 10:04 AM EDT)
Joaquim Neves Carrapa (08/31/2014 11:31 AM EDT)
Guangzhong Sun (09/01/2014 10:08 AM EDT)
avid Brink (09/01/2014 10:50 AM EDT)
Andreas Stiller (09/01/2014 12:51 PM EDT)
***Oleg Vlasii** (09/01/2014 02:42 PM EDT)
Albert Stadler (09/01/2014 02:42 PM EDT)
Sumeet Katariya (09/01/2014 04:19 PM EDT)
Florian Fischer 09/01/2014 04:28 PM(EDT)
James Dow Allen (09/01/2014 08:33 PM EDT)
Joseph DeVincentis (09/01/2014 09:16 PM EDT)
John Snyder (09/01/2014 09:29 PM EDT)
Allen Sirolly (09/01/2014 09:41 PM EDT)
Vladimir Milovanovic (09/01/2014 11:58 PM EDT)
Harold Gutch (09/02/2014 12:04 AM EDT)
Addison Fischer (09/02/2014 12:43 AM EDT)
Reiner Martin (09/02/2014 01:18 AM EDT)
Robbie Gibson (09/02/2014 07:38 AM EDT)
Benjamin Phillabaum (09/02/2014 07:50 AM EDT)
Arthur Breitman (09/02/2014 07:55 AM EDT)
José Eduardo Gaboardi de Carvalho (09/02/2014 09:37 AM EDT)
Armin Krauss (09/02/2014 09:56 AM EDT)
***Aviv Nisgav** (09/02/2014 10:00 AM EDT)
Gilles-Philippe Paillé (09/02/2014 10:52 AM EDT)
Serge Batalov (09/02/2014 12:14 PM EDT)
David Dodson & Donald Dodson (09/02/2014 12:43 PM EDT)
Sean Egan (09/02/2014 12:49 PM EDT)
John Tromp (09/02/2014 03:15 PM EDT)
Hugo Pfoertner (09/02/2014 03:21 PM EDT)
Mathias Schenker (09/02/2014 03:26 PM EDT)
Todd Will (09/02/2014 03:29 PM EDT)
Reiner Martin (09/02/2014 03:51 PM EDT)
Lorenz Reichel (09/02/2014 03:56 PM EDT)
Tim Lewis (09/02/2014 05:37 PM EDT)
Andrea Andenna (09/02/2014 05:50 PM EDT)
Antoine Comeau (09/02/2014 07:15 PM EDT)
Ellen Liu (09/02/2014 08:19 PM EDT)
Olivier Mercier (09/02/2014 08:25 PM EDT)
Mark Mixer (09/02/2014 08:46 PM EDT)
Rogerio Ponce da Silva (09/02/2014 09:29 PM EDT)
Chris Shannon (09/02/2014 11:50 PM EDT)
Liubing Yu (09/02/2014 11:34 PM EDT)
Harald Bögeholz (09/03/2014 01:47 AM EDT)
Hyung Sik Hwang (09/03/2014 02:53 AM EDT)
Richard Gosiorovsky (09/03/2014 03:15 AM EDT)
Gurvan Lullien (09/03/2014 04:08 AM EDT)
Tamir Ganor & Shouky Dan (09/03/2014 08:02 AM EDT)
Paulo Sousa (09/03/2014 08:58 AM EDT)
Zhao Yu Dong (09/03/2014 09:40 AM EDT)
Philip Kinlen (09/03/2014 10:17 AM EDT)
Vladimir Sedach (09/03/2014 01:40 PM EDT)
Tim Joseph Clark (09/03/2014 03:10 PM EDT)
Eliott Suits (09/03/2014 04:03 PM EDT)
Cynthia Beauchemin (09/03/2014 04:57 PM EDT)
David Greer (09/03/2014 06:56 PM EDT)
Tanner Swett (09/03/2014 08:37 PM EDT)
Abhinav Kumar (09/03/2014 10:40 PM EDT)
Hannes Schenck (09/04/2014 07:26 AM EDT)
Stéphane Higueret (09/04/2014 08:39 AM EDT)