$$= (1/3 + 1/5) + (1/5 + 1/7) + \cdots + (1/32717 + 1/32719)$$

be the sum of the sum of the reciprocals of all twinprimes below 2^{15} . Indicate which of the following inequalities is true:

(a)
$$S < \pi^2/6$$
 (b) $\pi^2/6 < S < \sqrt{e}$ (c) $\sqrt{e} < S$.

Solutions by Paul Sands, Student, University of New Mexico, Albuquerque, New Mexico, and the proposer. (Both used electronic computers.)

·		Proposer	Paul Sands
True inequality		(b)	(b)
Number of pairs of primes involved		55	55
S, to six decimal places		1.647986	1.648627
*	* * * *		

(Continued :	from p. 210.)
6.	$T_n = -(-i)^n$
7.	$T_{n+1} = 5T_n - 6T_{n-1}$
	$T_n = 2^n + 3^{n-1}$
8.	$r = \frac{5 + \sqrt{29}}{2}$, $s = \frac{5 - \sqrt{29}}{2}$
	$T_n = \frac{r^n - s^n}{\sqrt{29}}$ with terms 1, 5, 26, 135,
	$V_n = r^n + s^n$ with terms 5, 27, 140,
9.	$r = \frac{3 + i\sqrt{11}}{2}$, $s = \frac{3 - i\sqrt{11}}{2}$
	$T_n = \left(\frac{33 - 16i\sqrt{11}}{55}\right)r^n + \left(\frac{33 + 16i\sqrt{11}}{55}\right)s^n$
10.	$T_{n+1} = 5 T_n + 2 T_{n-1}; T_1 = 3, T_2 = 7.$
	* * * *

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