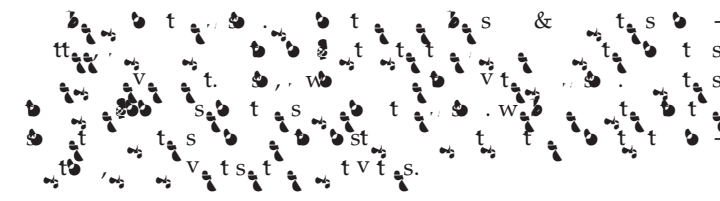
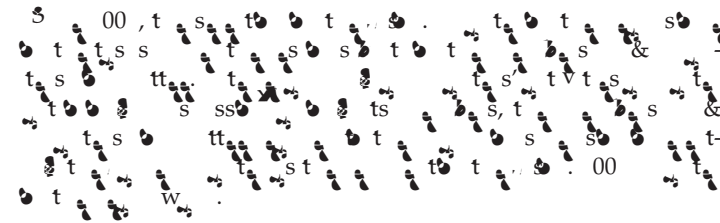
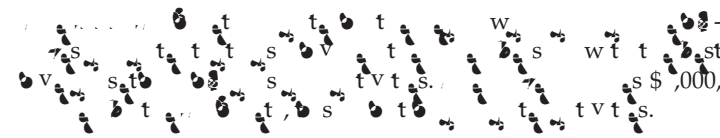


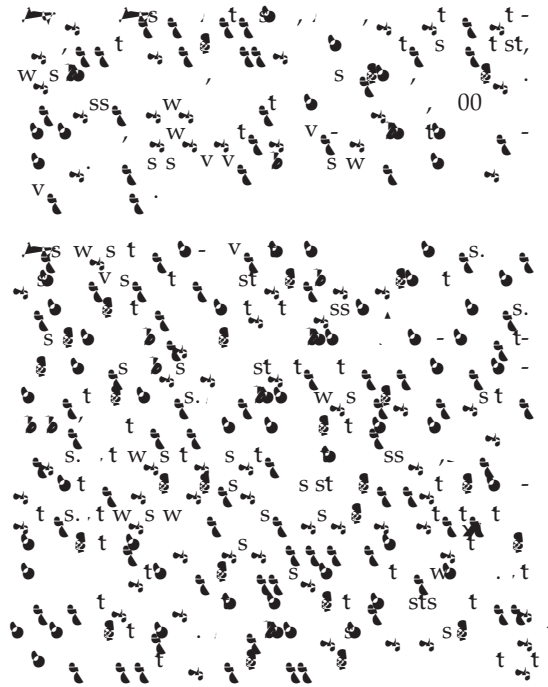
Chapter of the Year Award

Giuseppe Caire
ITSoc. 2nd VP and chair of the
Membership & Chapters Committee

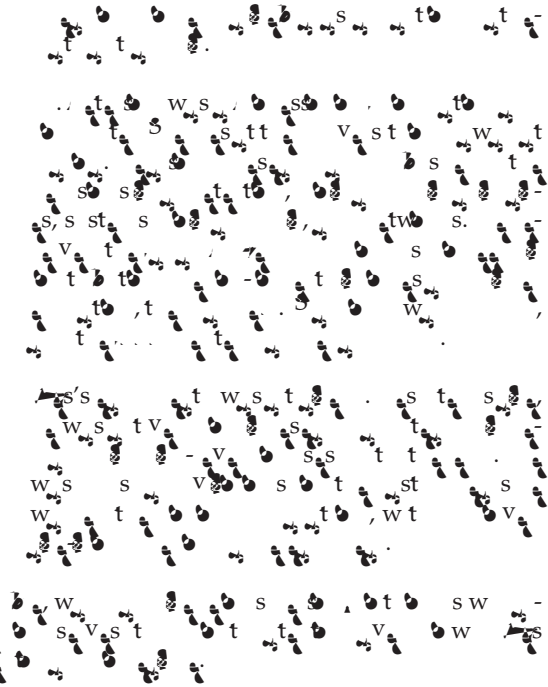


In Memoriam, Wes Peterson

Ned Weldon and Shu Lin



Wes Peterson, 1924-2009

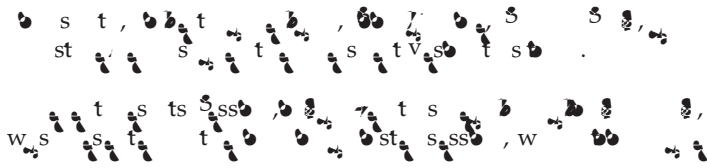




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Some Partition Problems Solutions

Solomon W. Golomb



$$P_k(n) = \sum_{x_1 + x_2 + \dots + x_k = n} \binom{n+k-1}{n}$$

$$p_k(n) = \sum_{x_1 + x_2 + \dots + x_k = n} \binom{n-1}{n-k}$$

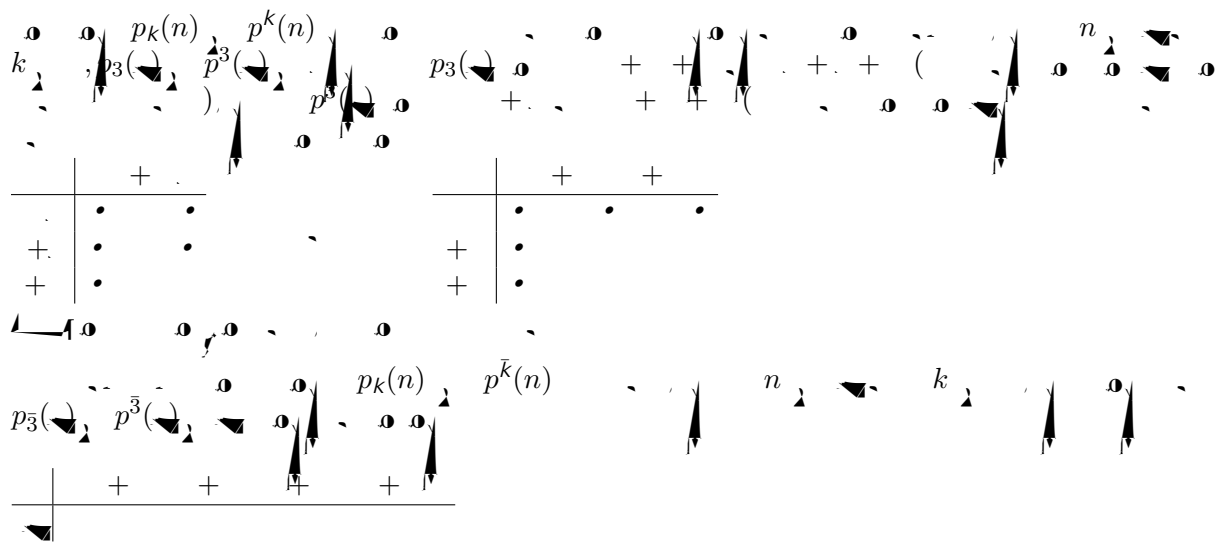
$$p_2(n) = \sum_{m=0}^n \binom{n}{m} \binom{n-m}{m} = \sum_{m=0}^n \binom{n}{m} \binom{n-m}{n-m}$$

$$p'_2(n) = \sum_{m=0}^n \binom{n}{m} \binom{n-m}{m} = \sum_{m=0}^n \binom{n}{m} \binom{n-m}{n-m}$$

$$P'_2(n) = \sum_{m=0}^n \binom{n}{m} \binom{n-m}{m} = \sum_{m=0}^n \binom{n}{m} \binom{n-m}{n-m}$$

$$n + (a+b+c) + b+c = n + a + (b+c) + c$$

$$p_3(n) < p_3(n)$$



odd

$$\begin{aligned}
 & (1 + x + x^2 + x^3 + \dots)(1 + x^3 + x^6 + x^9 + \dots)(1 + x^5 + x^{10} + x^{15} + \dots) \dots \\
 & \downarrow \quad \downarrow \quad \downarrow \quad \downarrow \quad \dots \quad \downarrow \quad \downarrow \quad \downarrow \quad \dots \\
 & \frac{1}{-x} \cdot \frac{1}{-x^3} \cdot \frac{1}{-x^5} \cdot \frac{1}{-x^7} \dots \downarrow \prod_{j=1}^{\infty} \frac{1}{-x^{2j-1}} \downarrow \sum_{n=0}^{\infty} c_2(n)x^n.
 \end{aligned}$$

each

$$\prod_{j=1}^{\infty} (1 - x^{2j-1}) \cdot \prod_{j=1}^{\infty} (1 + x^j)$$

each

$$(1 - x^{2(2j-1)})(1 + x^{4(2j-1)})(1 - x^{8(2j-1)}) \dots (1 + x^{2j-1})(1 + x^{2(2j-1)}) \dots$$

Notes

$$\begin{aligned}
 & p_3(n) = \sum_{k=0}^n p_2(k) \\
 & p_2(n) = \sum_{k=0}^n p_1(k) \\
 & p_1(n) = \sum_{k=0}^n 1 = n+1
 \end{aligned}$$



Conference Calendar

DATE	CONFERENCE	LOCATION	WEB PAGE	DUE DATE
Sept. 0- 00	2009 IEEE 70th Vehicular Technology Conference (VTC2009-Fall)	San Francisco, CA	http://www.vtc2009-fall.org/	Sept. 1, 00
Sept. 0- 1, 00	47th Annual Allerton Conference on Communication, Control and Computing (Allerton 2009)	Monticello, IL	http://www.allerton.org/	Sept. 1, 00
Oct. - , 00	2009 IEEE Information Theory Workshop (ITW 2009)	San Francisco, CA	http://www.itw2009.org/	Sept. 1, 00
Oct. - , 00	23rd IEEE Computer Communications Workshop (CCW 2009)	San Francisco, CA	http://www.ccw2009.org/	Sept. 1, 00
Nov. - , 00	Asilomar Conference on Signals, Systems, and Computers	Pacific Grove, CA	http://www.asilomar.org/	Sept. 1, 00
Nov. 0- , 00	2009 IEEE Global Communications Conference (GLOBECOM 2009)	Houston, TX	http://www.globecom2009.org/	Sept. 1, 00
Dec. - , 00	Twelfth IMA International Conference on Cryptography and Coding	St. Albans, UK	http://www.cryptocoding.org/	Sept. 1, 00
Nov. - , 00	2010 IEEE Information Theory Workshop (ITW 2010)	San Francisco, CA	http://www.itw2010.org/	Sept. 1, 00
Oct. 0- , 00	8th International ITG Conference on Source and Channel Coding (SCC'10)	St. Gallen, Switzerland	http://www.scc10.org/	Sept. 1, 00
Nov. - , 00	2010 International Zurich Seminar on Communications	Zurich, Switzerland	http://www.zurichseminar.org/	Sept. 1, 00
Nov. - , 00	IEEE INFOCOM 2010	San Francisco, CA	http://www.info-com2010.org/	Sept. 1, 00
Nov. - , 00	IEEE International Conference on Communications (ICC 2010)	San Francisco, CA	http://www.icc2010.org/	Sept. 1, 00
Nov. - , 00	IEEE International Symposium on Information Theory	St. Gallen, Switzerland	http://www.isit2010.org/	Sept. 1, 00
Nov. - , 00	2010 International Symposium on Information Theory and its Applications and 2010 International Symposium on Spread Spectrum Techniques and Applications	San Francisco, CA	http://www.isit-isita-istap2010.org/	Sept. 1, 00

IEEE Information Theory Society Newsletter