RECREATION CORNER
SOLUTION
POPULATION EXPLOSION

Brother Alfred Brousseau
St. Mary's College, Calif.

The problem began with 28 people. Starting with the 28th and working backward taking every third person, it was found that the final two places were the 18th and the 8th. Then for 29, when one takes one step to 26, one is back to the case of 28, so that the answers are 16 and 6. Going to 30, the answers regress back to 14 and 4. This continues until one arrives at 31 with answers 12 and 2. At the next step 2 is replaced by a larger number at the other end of the scale. Starting with 32, one obtains 10 and 31. Again one can continue to 36 with solutions 2 and 23. The next step gives 37 with solutions 36 and 21. The mode of procedure should be evident. The steps are summarized in the following table.

N	P_1	P_2	N	P_1	P_2
28	18	8	618	616	364
32	10	31	800	252	799
37	36	21	926	925	547
48	14	46	1200	377	1198
55	54	32	1389	1387	820
71	22	70	1799	567	1798
82	81	48	2083	2081	1230
106	33	105	2698	852	2697
123	121	71	3124	3122	1845
159	49	157	4047	1276	4045
184	182	107	4685	4684	2769
238	74	236	6070	1914	6068
275	274	162	7027	7026	4154
356	112	355	9104	2872	9103
412	411	243	10540	10539	6231
534	167	532	13656	4307	13654

N	P_1	P_2
15810	15808	9346
20483	6462	20482
23714	23713	14020
30724	9693	30723
35571	35569	21029
46086	14539	46084
53356	53354	31544
69128	21810	69127
80033	80032	47317
103692	32714	103690
120049	120048	70976
155537	49072	15536
180073	180072	106464
233305	73608	233304
270109	270108	159696
349957	110412	349956
405163	405162	239544
524935	165618	524934
607744	607743	359316
787402	248427	787401
911616	911614	538973
1,000,000	734846	362205

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ERRATA

Please make the following corrections to the article "The Bracket Function, Q-Binomial Coefficients, and Some New Stirling Number Formulas," by H. W. Gould, appearing in the December, 1967, Vol. 5, No. 5, issue of the Fibonacci Quarterly, pp. 401-423:

p. 410: In the line after (3), replace "left" by "led."

p. 411: In relation (33), replace $\binom{n}{s}$ by $\begin{bmatrix} n \\ s \end{bmatrix}$.

p. 415: In relation (50), after sigma, replace $G(x, j, q)$ by $F(x, j, q)$.

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