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Josephus Problem

7495

ROBERT G. WILSON

Survivor nbrs.

1, 1, 2, 2, 2, 4, 5, 4, 8, 8, 7, 11, 8, 13, 4, 11,
12, 8, 12, 2, 13, 7, 22, 2, 8, 13, 26, ~~29~~, 4, 26, 29,
17, 27, 26, 7, 33, 20, 16, 22, 29, 4, 13, 22, 25,
14, 22, 37, 18, 46, 42, 46, 9, 41, 12, 7, 26, 42, 24,
5, 44, 53, 52, 58, 29, 22, 12, 48, 27, 30, 58,
52, 49, 57, 13, 14, 32, 24, 75, 8, 67, 56, 40,
61, 51, 77, 35, 57, 74, 63, 75, 12, 72, 89,
11, 32, 32, 59, 61, 62, 89, 22,

ref: JRM v 10n2 p 124-6 1977.

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10 ! Josephus
20 INPUT 'S (k,n) ? ' ; K,N
30 M=N @T=1
40 FOR N=2 TO M
50 T= RMD (T+K,N)
60 IF NOT T THEN T= N-
70 NEXT N
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