

**Problem.** *Manuel Kauers, Research Institute for Symbolic Computation, 4040 Linz, Austria, and Sheng-Lan Ko, String Group at National Taiwan University, Taipei 10617, Taiwan.* Find a closed-form expression for

$$\sum_{k=0}^n (-1)^k \binom{2n}{n+k} s(n+k, k),$$

where  $s$  refers to the (signed) Stirling numbers of the first kind.