Let  $x_1, \ldots, x_n$  be real numbers. For any set  $I \subset \{1, 2, \ldots, n\}$  let  $s(I) = \sum_{i \in I} x_i$ . Assume that the function  $I \mapsto s(I)$  takes on at least  $1.8^n$  values where

tion  $I \mapsto s(I)$  takes on at least  $1.8^n$  values where I runs over all  $2^n$  subsets of  $\{1, 2, ..., n\}$ . Prove that the number of sets  $I \subset \{1, 2, ..., n\}$  for which s(I) = 2019 does not exceed  $1.7^n$ .