## On min-base palindromic representations of powers of 2

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Douglas R. Stinson, David R. Cheriton School of Computer Science, University of Waterloo A positive integer $N$ is palindromic in the base $b$ when $N=\sum_{i=0}^{k} c_{i} b^{i}, c_{k} \neq 0$,and $c_{i}=$ $c_{k-i}, i=0,1,2, \ldots, k$, Focusing on powers of 2 , we investigate the smallest base $b$ when $N=2^{n}$ is palindromic in the base $b$.
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