

## ON THE ZETA FUNCTION OF AN $S$ -GAP SHIFT

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ABSTRACT. It will be shown that if  $S$  and  $S'$  are nonempty subset of  $\mathbb{N} \cup \{0\}$ , then the  $S$ -gap shift and the  $S'$ -gap shift are conjugate if and only if they have the same zeta function.