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Adic representations of one sided substitution subshifts

Given a substitution $\tau$ defined on an alphabet $A$, we can consider either the 1-sided or 2-sided subshifts generated by $\tau$, denoted $(X^N_\tau, \sigma)$, and $(X^Z_\tau, \sigma)$ respectively. We show that for a large class of substitutions $\tau$, $(X^N_\tau, \sigma)$ has a representation as an adic system. We also show by example that conjugacy of the 2-sided substitution subshifts $(X^Z_{\tau_1}, \sigma)$ and $(X^Z_{\tau_2}, \sigma)$ does not imply conjugacy of $(X^N_{\tau_1}, \sigma)$ and $(X^N_{\tau_2}, \sigma)$, and discuss conditions on the substitutions so that 2-sided conjugacy would imply 1-sided conjugacy.