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Generating Composites by Appending Digits to Certain Types of Integers. Preliminary report.

Recently, the first author showed that, given any $d \in \{1, 3, 7, 9\}$, there exist infinitely positive integers n such that appending the digit d to the right of n any number of times always gives a composite integer. Additionally, it was shown that $n = 37$ is the smallest such integer. In this presentation we investigate these problems in the context of appending the digit d to certain types of positive integers. (Received September 24, 2012)