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Mass. 01239, Non-repetitive Binary Sequences, Preliminary report.

An infinite sequence on two symbols is constructed with no three adjacent identical blocks of symbols and no two adjacent identical blocks of four or more symbols, thereby refuting a conjecture of Entringer, Jackson and Schatz. It is further demonstrated that there is no infinite sequence on two symbols with no three adjacent identical blocks of symbols and no two adjacent identical blocks of three or more symbols. (Received August 27, 1975.) (Author introduced by Professor R. D. Schafer.)