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Dominik Kwietniak*, Jagiellonian University in Krakow, Institute of Mathematics, ul. Łojasiewicza 6, Kraków, 30-348, and **Marta Straszak**. *Minimal symbolic actions of amenable groups with prescribed entropy*. Preliminary report.

Let A be a finite alphabet. We show that for every congruent monotileable amenable group G and every $0 \leq \alpha < \log |A|$ there exists a minimal action of G on the subshift X of A^G with topological entropy α . Congruent monotileable amenable groups are a generalization of amenable residually finite groups. The class was introduced by Paulina Cecchi and María Isabel Cortez. In particular, this class contains all the infinite countable abelian and all the infinite countable virtually nilpotent groups. For abelian groups the minimal actions we construct are free. (Received September 17, 2019)