1099-03-213 Brandon Seward*, Department of Mathematics, 2074 East Hall, 530 Church St, Ann Arbor, MI 48109, and Robin D. Tucker-Drob, Department of Mathematics, Hill Center for the Mathematical Sciences, 110 Frelinghuysen Rd, Piscataway, NJ 08854. Borel structurability on the 2-shift of a countable group.

We show that for any infinite countable group G and for any free Borel action $G \curvearrowright X$ there exists a G-equivariant Borel map from X into the free part $\operatorname{Free}(2^G)$ of $G \curvearrowright 2^G$. In fact, under a suitable notion of genericity, the generic equivariant Borel map into 2^G lands in the free part. This implies that if $G \curvearrowright \operatorname{Free}(2^G)$ is treeable then all free Borel actions of G are treeable. Furthermore, it implies that $G \curvearrowright \operatorname{Free}(2^G)$ has maximal Borel chromatic number among all free Borel actions of G, answering a question of Marks. (Received February 09, 2014)