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J.P. Cossey* (cossey@uakron.edu). *On the diameter of blocks of solvable groups.*

Let B be a p -block of a solvable group G . There is a natural graph on the irreducible Brauer characters of B where two characters θ and φ are adjacent if there exists an ordinary irreducible character χ such that $d_{\chi\varphi} \neq 0 \neq d_{\chi\theta}$. We discuss some bounds on the diameter of this graph that extend earlier work. Time permitting, we compare our results on solvable groups to recent results on symmetric groups. (Received September 08, 2019)