

THE GENERALIZED LIFTING PROPERTY OF BRUHAT INTERVALS

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The so called “lifting property” characterizes the Bruhat order of a Coxeter group, as V. V. Deodhar proved in 1977. E. Tsukerman and L. Williams in the article “Bruhat interval polytopes” (Advances in Mathematics, 2015) prove a “generalized lifting property” of the Bruhat order for the symmetric group. We investigate the case of an arbitrary Coxeter group.

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