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ON CHIEF FACTORS OF PARABOLIC MAXIMAL SUBGROUPS OF THE GROUP $B_l(2^n)$

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This study continues the author's previous papers, where a refined description of the chief factors of a parabolic maximal subgroup involved in its unipotent radical was obtained for all (normal and twisted) finite simple groups of Lie type except for the group $B_l(2^n)$. In present paper, such a description is given the group $B_l(2^n)$. For every parabolic maximal subgroup of $B_l(2^n)$, a fragment of its chief series involved in the unipotent radical of this parabolic subgroup is given. Generators of the corresponding chief factors are presented in a table.

Keywords: finite simple group, group of Lie type, parabolic maximal subgroup, unipotent radical, chief factor, strong version of Sims conjecture.

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