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Abstract: *We study the relation between the growth of sequences* $\|T^n\|$ *and* $\|(n+1)(I-T)T^n\|$ *for operators* $T \in \mathcal{L}(X)$ *satisfying weak variants of the Ritt resolvent condition* $\|(\lambda - T)^{-1}\| \leq \frac{C}{|\lambda-1|}$ *for various sets of* $|\lambda| > 1$.

AMS subject classifications: 47A10, 40E05, 47A30, 47D03

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