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Domination problem in the non-commutative setting

We will consider the classical Domination Problem for Banach lattices in the non-commutative setting. Let X and Y be ordered Banach spaces and $0 < T < S$ are operators from X to Y. Assume that S belongs to a certain class of operators (ideal of compact, weakly compact and Dunford-Petis operator). Does T belong to the same class? We will consider the case when either X or Y is a C*-algebra or a non-commutative function space.