

Open questions:

Recall Ribe: $X = \left(\sum l_{1+\frac{1}{n}} \right)_{l_2}$: $l_1 \oplus X \cong X$
 reflexive space : $l_1 \hookrightarrow X$

Assume $X \hookrightarrow Y$ reflexive. What other assumptions will ensure that X is reflexive?

Th: $l_1^n \subseteq X$ and $X \hookrightarrow Y$ reflexive $\Rightarrow X$ reflexive.
 or X is an "alternate-Banach-Saks-property" space.

Counterexample: $J, J^* \hookrightarrow Y$ reflexive.

Open question: ^($\dim X^* < \infty$) Is there a quasi-reflexive non-reflexive B-space X such that $X \hookrightarrow Y$ reflexive?

② $X \hookrightarrow Y$ reflexive $\nRightarrow X$ is weakly sequentially compact

③ X^* separable + $X \hookrightarrow Y$ reflexive $\nRightarrow X$ reflexive.
 (you can try to add some separable index property.)