

$$I(X) = \{ \text{Chr}(Y) : Y \subseteq X \text{ ind. } \} - \{0, 1, \dots, \lambda_0\}$$

I. (a) $I(X)' \subseteq I(X)$

(b) If $\lambda \in I(X)$ singular, then $\lambda \in I(X)'$.

I. If A has (a), (b) then a ccc forcing adds an X with $I(X) = A$.