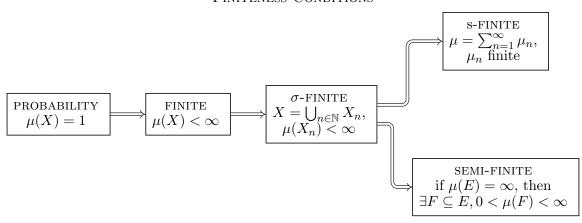
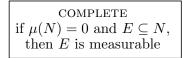
TAXONOMY OF MEASURES

FINITENESS CONDITIONS

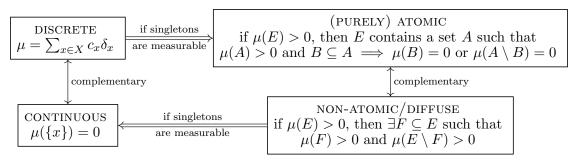


Measurability Conditions



 $\begin{array}{c} \text{SATURATED} \\ \text{if } E \cap F \text{ is measurable whenver } \mu(F) < \infty, \\ \text{then } E \text{ is measurable} \end{array}$

CONTINUITY CONDITIONS



REGULARITY CONDITIONS (FOR BOREL MEASURES)

LOCALLY FINITE	$\mu(K) < \infty$ for compact $K \subseteq X$
OUTER REGULAR	$\mu(E) = \inf \{ \mu(U) : U \supseteq E \text{ open} \}$
INNER REGULAR	$\mu(E) = \sup \{ \mu(K) : K \subseteq E \text{ compact} \}$