A clas de por por x الف) ( تود قفه موسکی الحقال!) 200 E, 1516 21/6 in مالت زوی نر مورگ ای کی فرد Lolo & Sign of E; "Low VIEN. E. CE. 060 puis  $\lim_{i\to\infty} E_i = \bigcup_{i=1}^{\infty} E_i$  $F_1 = E_1$  iJ igo $F_2 = E_2 \setminus E_1$ ,  $f_3 = E_3 \setminus E_2$ ,...  $\forall n : \bigcup F_i = \bigcup_{i=1}^n E_i = E_n$  i=1 $\mathbb{P}(\lim_{t \to \infty} E_{i}) = \mathbb{P}(\mathbb{U}E_{i})$ = P ( U.F.)

1E: 6: 1 soil I: 1Fi is w/ 21 ps 1 p qual & qui ob 1 f v co 'Est 2/1  $\frac{2}{2} \frac{1}{2} \frac{1}$ =>P(UFi) = [P(Fi) En  $=\lim_{n\to\infty} \frac{1}{n} \frac{1$ = lim P(En) Let it by out by Ei dig I no by in the steel Ei ( Ei ( where her the world or it has لا توانع دول دول المان تولا ... جا خوب كه مام الحمال ير ص الله عالم

$$E_{n} = \bigcup_{i=n}^{\infty} C_{i}$$

$$Vien E_{i+1} \subseteq E_{i}$$

$$P(\bigcap_{i=1}^{\infty} F_{i}) = \lim_{i \to \infty} P(E_{i})$$

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$$P(\bigcap_{i=1}^{\infty} F_{i}) = P(\bigcap_{i=n+1}^{\infty} F_{i})$$

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