

$$P(B|A) = \lim_{n \rightarrow \infty} \frac{P(B \cap A_n)}{P(A_n)}$$

$$P(B|A)$$

$$= \frac{P(B \cap C_n)}{P(C_n)}$$

$$?$$

$$\bigcap_n C_n = A$$

$$\bigcap_n A_n = A$$

$$P(A_n) \rightarrow 0$$

$$A_1 \supset A_2 \supset \dots$$

(

$$A = \emptyset \quad (A = \frac{1}{2})$$



$$C_n =$$

