$$\int_{a}^{b} g \omega dx \iff g \omega \wedge \chi \leftarrow U(a,b)$$

$$X = \int_{b-a}^{b} f(x) = \int_{b-a}$$

$$E(T) = E[g(X)] = \int_{a}^{b} g(x) \cdot f(x) dx$$

$$T_{1} - - \cdot T_{n}$$

$$= \frac{1}{b-a} \int_{a}^{b} g(x) dx$$

$$\int_{a}^{b} g(x) dx = (b-a) \cdot E(T)$$

$$= (b-a) \cdot E(g(x))$$

$$LLN: n \rightarrow \infty$$

LLN: 
$$n \rightarrow \omega$$

g(X) Th

 $n = (\omega)$ 
 $\sim 10^{-1}$