MAS 010 3.) f: [a, 6] -R f. stely  $22: \int d\lambda = \int f(x) dx$  $n \in \mathbb{N}$  +  $k = \alpha + k + n$   $\int_{\mathbb{N}} n(x) = \max \left( \int_{\mathbb{N}} \left( \operatorname{Lo}_{1} + k + n \right) + n + n + n \right) \int_{\mathbb{N}} n \cdot n + n = n$ X E [a +k 6-9, a + (k+1) 5-27 also Ober- und Under Summen . fr (x) = min (  $\lim_{n\to\infty} f_n = : f \qquad \lim_{n\to\infty} f_n = : f \qquad f_n \leq f \leq f.$  $\lim_{n\to\infty} \int_{\Gamma_{n}(\delta)} \int_{\Gamma_{n}$ Da f stelig => f = f = f Also  $\lim_{n\to\infty} \int_{0}^{\infty} d\lambda = \int_{0}^{\infty} \int_{0}^{\infty} d\lambda = \lim_{n\to\infty} \int_{0}^{\infty} \int_{0}^{\infty} d\lambda$   $\lim_{n\to\infty} \int_{0}^{\infty} \int_{0}^{\infty} (x) dx = \int_{0}^{\infty} \int_{0}^{\infty} \int_{0}^{\infty} (x) dx$