3(52018115441) (引有 29. 进行在意绘的函数 fw), 960, 证于任意结定的函数fm, gm, fm)= (gm)当业仅当fm)=0 (gm)当业仅当fm)=0 (gm) it: fon = B(fon) 9(h) = (7) (9(h)) if $\max(f(n), g(n)) = f(n)$ f(n) = sL(g(n)) f(n) = sL(g(n)) $\lim_{n \to \infty} \frac{f(n)}{g(n)}$ lim (6) 存在. 上 /m (fin) to =, fm=526(n) (2) max(f(n),g(n)) = (1) (f(n)+g(n)) 1m fb) tota, il los fin) +00 园祖:于证 $\frac{(n+a)^b}{n^b} \leq \left(\frac{n+a}{n}\right)^b = \left(H + \frac{a}{n}\right)^b$: (HA)b=C常数 然=章 3.1 雇用-次:P.=(n-V)=元 產用=次: P2= Cn1 + Cn2+…+Cn-1
T(4)= 整 $n \times n = n$ = 22-1-1 差用欢后一·

新
Let
$$Ci = Cost$$
 of i th operation $2(1-2^n)$
 $Ci = \begin{cases} i & \text{if } i \text{ is an exact power of } 2 \end{cases}$
 $Ci = \begin{cases} i & \text{otherwise} \end{cases}$
 $Ci = \begin{cases} i & \text{otherwise}$

 $G_{i} = C_{i} + \underbrace{\Phi(D_{i})}_{-} \underbrace{\Phi(D_{i})}_{-} \underbrace{\Phi(D_{i})}_{-}$ $= i + 0 - 2 \cdot (2^{j} - 1 - 2^{j-1})$ $= i - (2^{j} (2 - 1) - 2)$ = i - i + 2 = 2

る型 = G+ (Di)- (Di-) = 1+2k-2(k-) = 3