SEMINAR Z NOTATIA O: limita superiocos -> T (n) E O (f(n)) (=> ] c ER, (>0, n, EN a.r. O & T(n) & C f(n)  $\neg T(m) \in O(J(m)) \iff \int_{-\infty}^{\infty} \frac{T(m)}{J(m)} = 0 \quad \text{San constants}$ MOTATIA D': limia inferioaré  $T(n) \in \mathbb{Z}$   $(f(n)) (=) \ni c \in \mathbb{R}_+, c>0, M_0 \in IN$  a.i.  $0 \le c \cdot f(n) \in T(n)$   $T(n) \in \mathbb{Z}$   $(f(n)) (=) \lim_{n \to \infty} \frac{T(n)}{f(n)} = p$  som constants number NOTATIA "0": limita superioare = limita inferioare CF : CAZ FAVORABIL - correll ûn care jacem mon minim de pasi CD: CAZ DEFAVORABIL - correll in care facem un maxim de pagi CM: CAZ MEDIU - > P(1) . E(1)

m de pasi pt 1 prob de a avea ca date de intrare COMPLEXITATE TOTALA O (1) CF: O(M) CD: 0 m) CD: D(m) CT: 0 (m) CT: (m)