4) T(n)= tT(nx) +nlogn a=1, b=1 finenbgn night Knlogn=fin) Txx log 7 < c plogn = log 7 (elogn). (1 $V) \Gamma(n) = Y \Gamma(n) + \frac{n}{\log n} \quad \text{and} \quad \text{be}$ $\int_{\log n}^{\log n} \int_{\log n}^$ a=1 b=1 f(n)=n $\frac{100 f}{n^{0.0}} < n^{0.01}$ $\frac{100 f}{n^{0.01}} < n^{0.01}$ T(n)=0(n° 21) 9)7(n)=401(2)4 h 01=0.00 b=1 f(n)= h 10) [(n)=14 [(n)+n! a=14 b=f f(n)=n! n 109 1/2 (n) = 5(n) 1/2() (cn! (xxx)) = 0000

11) J(n) = Tr f(q)+logn a= Tr b= r f(n)=logn

10) T (n) = Tr f(q)+logn a= Tr b= r f(n)=logn

10) T (logn=f(n)) Tr log? (Clogn=1) Tr (logn-logr) (clogn

- 1) 14) T(n)= 1 T(2)+n a= 1 6=1 f(n)=n