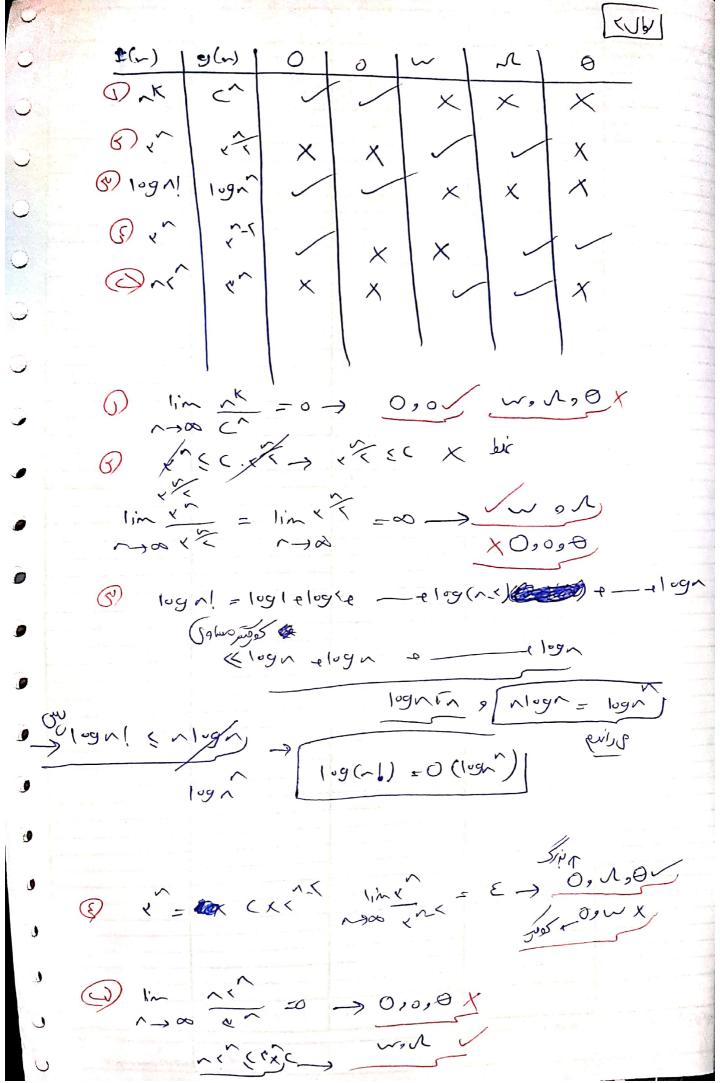
```
الملاكة الموسى مرصية عنورى المعالمة المالكة
wid flint no int my
                                                      70/2
    long long Sum = 0;
     for(int i=2; i(n i) i*=3) γ

for(int j=0; j(n i) +=2) γ

3) m → o(m)
              for ( int z=0 = 2 () = 2++) [3] m -> 0(M)
                                      + for ( by our ( To
                   عندای اول عدید مهماندی کوا به ازمون است
      confections to mel - 10 mel confect constructions
                              مركوم ما او اردر سالس ب
          10g/X mxm = 0 (m/hym) - imaginal aus
  int main() {
    int a;
                                         0 + 1=0 Oh
    Cin>>a:
     for(int i=0; i <a; i++) }
                                   ->= i=1 --> ger13
         上(てくらうう)
                                    9109 / isr
                                             إذالف
    g refurno;
                                   L-P(n,m) - m'logan
157 - + ((,1) -> luge
             i=< -> &( Egx) -> Eloga
             i= ~ f(/ot) -> 910ge
              i=a-1-> & ( 2 a-1) -> 2/109 /
       = 1.9x + & 1.9x + 91.9x + (a_1) 1.9x (a_1) + 2 1.9x + 2 1.9x - + (a_1) 1.9x (a_1)
```

 $| \log \sqrt{1 + (e^{-1})^{e}} | \sqrt{\log \sqrt{1 + (e^{-1})^{e}}} | \sqrt{1 + (e^{-1})^{e}} | \sqrt{1 + (e^{-1})^{e$ 



Scanned by CamScanner

 $Kf(n) = O(g(n)) \rightarrow If(n) | \langle K, g(n) \rangle$   $Kf(n) = o(g(n)) \rightarrow If(n) | \langle K, g(n) \rangle$   $Kf(n) = w(g(n)) \rightarrow If(n) | \rangle \langle K, g(n) |$   $Kf(n) = N(g(n)) \rightarrow If(n) | \rangle \langle K, g(n) |$   $Kf(n) = N(g(n)) \rightarrow If(n) | \rangle \langle K, g(n) |$   $Kf(n) = O(g(n)) \rightarrow Ki \cdot g(n) \langle f(n) | \langle K_{k}, g(n) |$  S

الواكه 10gn> 1 - 10gn> 1 - 1>1 N=0(nlugn) (T N=O(Nlogn) J Cono NE (Nlogn Nono ST -> [clogn>11] Oc (nlogn-n -> n(clogn-1)>0 -> clogn-1>0 f(n) =0(q +) +(n)=0(g(n)) / / f(n),g(n) %0 (40/) (-) = 9(n)=n, f(n)=En To gientles bic x f(n) =0 (g(n)) 2 = 0 (^) = 7 Singlister (^) 0 = 7 (^) 2 (^)  $f(n)+g(n) = \Theta(\max(L(n), \{2.9(n)\})$ (-> max ((P(n), g(w))) = 0 (P(n) + g(n)) max ( f(n), 9 (n) > ( f(n)+9 (n)) D eiber f(n)+g(n) < Ymax ( f(n),g(n)) -> max(Yf(n),g(n)) = 1 1 ( f(n)49(n)) -, max (f(n),g(n)) =0(f(n)+g(n)) Sidy qui B, A il \$(n)+9(n) = O (max+2(n) ≥ 9(n)))

 $\frac{f(n)}{g(n)} = \frac{f(n)}{g(n)}$   $\frac{f(n)}{g(n)} = \frac{f(n)}{g(n)}$   $\frac{f(n)}{g(n)} = \frac{f(n)}{g(n)}$   $\frac{f(n)}{g(n)} = \frac{f(n)}{g(n)}$ Q 1+C+C(+-+C) + (^)= O(9(n)) T(n)= V7(2)+Q(n) (T [EUb) م مار مفيد الما) ب T(n)=aT(5)+0(nd) T(n)= VT(2) + O(n+) -> 0=V, b=< , od=+ 0(1096) 50(1094) T(n)= ET(2)+ N1.9n(-) T(n) | T(n) | T(n)