```
heutcode: 2276 traximum Condres
                   Allowed to K children
        5,8,6 K=3
            Binary Search
                              Solution: min, max
                                        [ 1, sum/k] K search space
        sum () x K
           Hes = 0
code! class Solution:
          def maximum Condicy ( seef, condicy: List Lint ] h: int) -> int:
             total = sum(condies)
             if total & k:
             Hetern O
              1, n = 1, sum (condies) 1/ k
              44=0
              while ex= 4:
                  m=(l+r)1/2
                  count = 0
                  for c in condies:
                     if cs=m:
                   count += c// m
                   if count >= k:
                    buck
                    if count > = k:
                      Hes = m
                        1= m+1
                    else:
                        9- m-1
                Metwin Mes
              when a function colls itself until a specified a
   specific condition is met
                                                    output
                               ( { puint(1)
                puint: 1
                                Again puint 1
```

```
. Stack overflow when there are so mony function in stack there warring
             function in recursion.
       forth warting function
       Fr. 12-swarting function in line 2
 . The condition we use to memoring are colled Base case
 ₹X.
       cnt=0
           if (ent == 4) } This is our Base Cose
            Howin; -
            puint (cnt) There will be waiting function
           entit in stack till Bose cose condition met
                            and then get ferminoted
        > main () }
> Basic Recovering Publing.
Q1: Print Nome N times using Recording
      f(i, H) {
                               T.c. O(N)
        if (isn) Base cose hervery; ) Base cose
                                  Drolling N function
                                Stock space as there are waiting functions
till Basi case met.
         puint ("Anihet");
         f(1+1,N)
      print (1-10) linearly N=4
 02:
                                        1234
       F (1, H) {
            (1>10) Similar to puccious one
          1F (1510)
           puint (i)
                         · punt ( N -> 1 )
                                   IF (1×1) } Base cose
        main() {
         inputin)
                                   punt (i)
           f(1,N)
```

```
first, N) within is not allowed
                                                            F10.3)
   filing
                                                            if (140)
                           if (141)
                              Hetwin ;
                           F(1-1,N)
                          1
 is sum of first N numbers
         punt (sum)
                                                        puint =
    input (n) ~3
                                      IF (n==0)
                                         orchury 0;
                                     Hown 7- fin-1);
Que - Revense an Array
                         Recursion using Two pointers
                        F(18,4) {
                          (F (15=8) Hown; } 1805E Cose
                          swap (all, alu);
                           F((+1,4-1);
```

