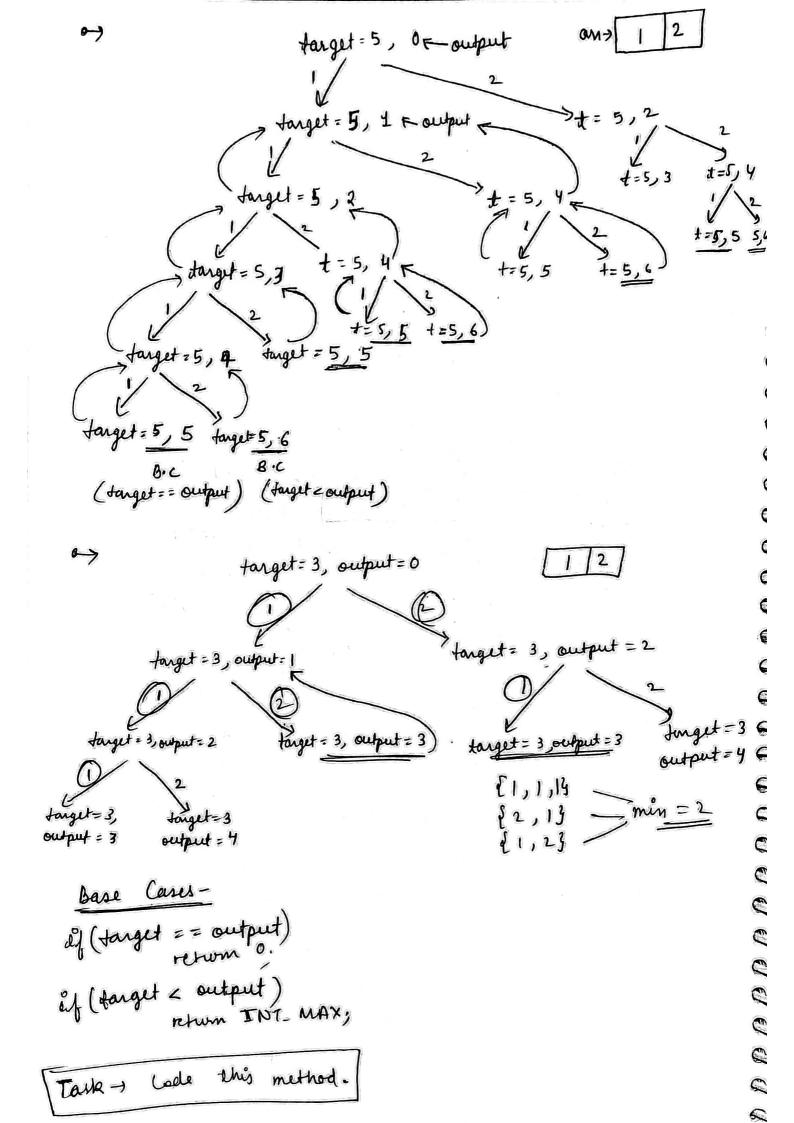
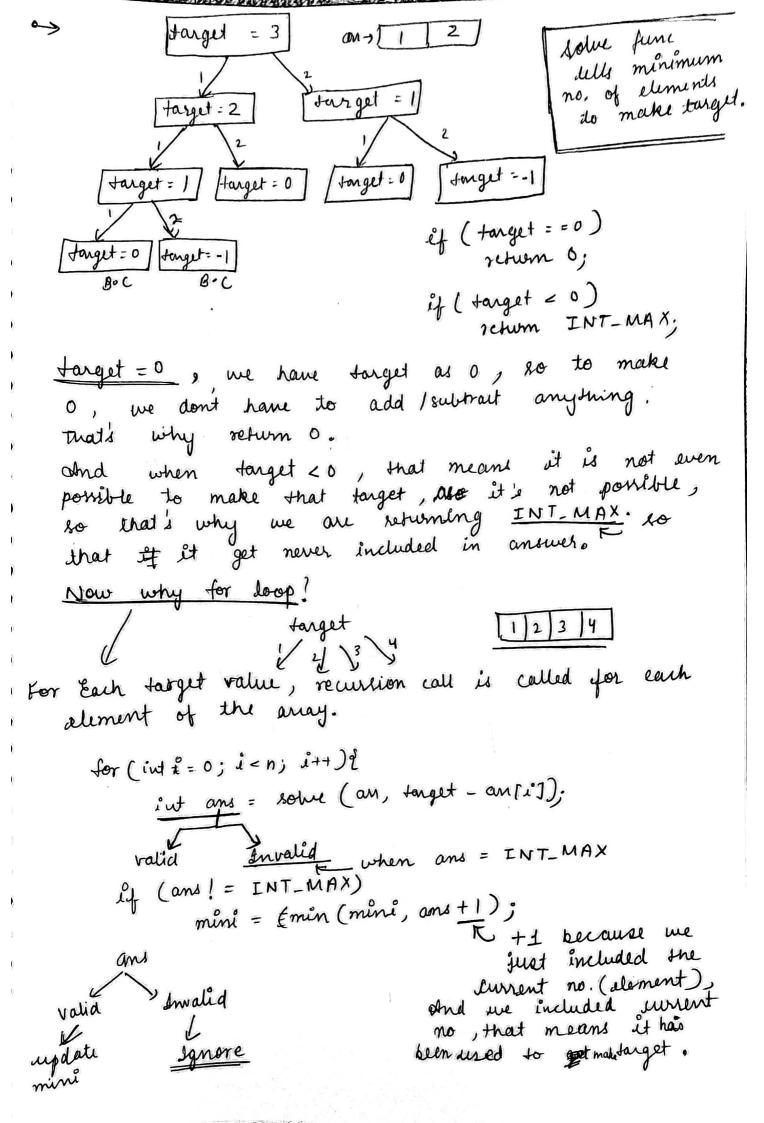
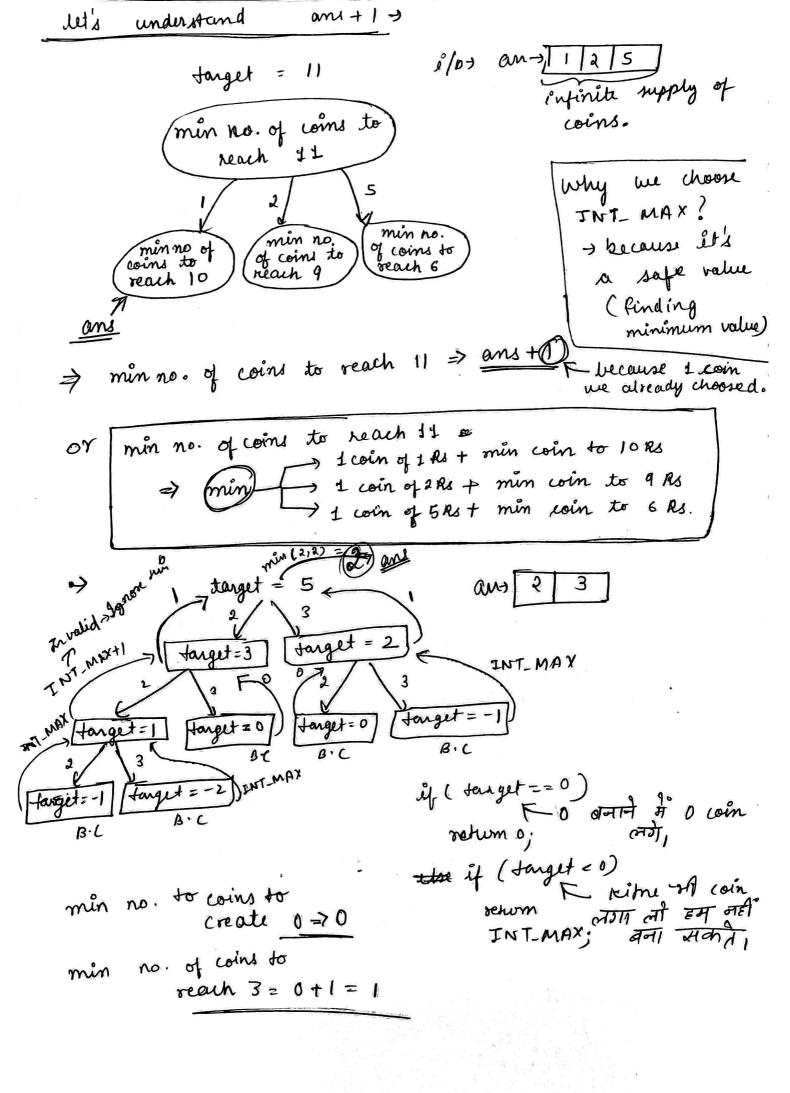
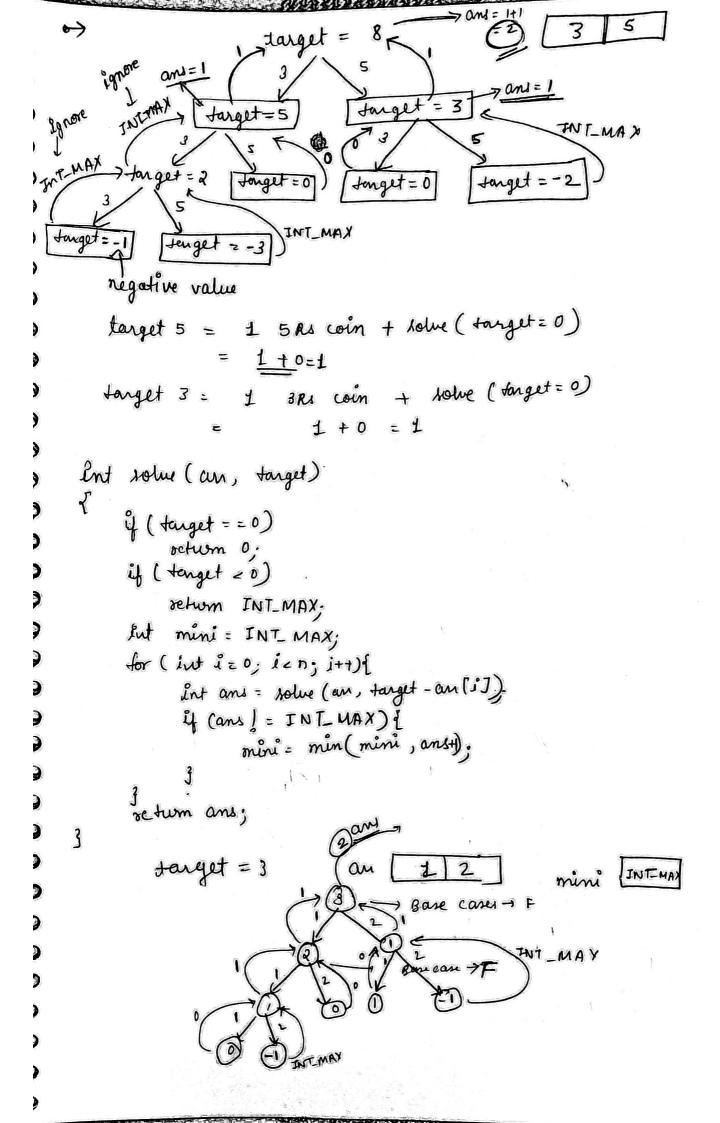


```
mini = INT_MAX
   Base cases,
                Invalid rate (-ve value nhi bna skete).
   sum <0
D (target)
            means mini apparte nhi & honi chahiye.
   sum == 0 -> no. Ban gya.
                        -> to return o
CE
    L
L
    code-
         solve (vector zint > d arr, int target)
Œ
                             O brane ke lûge, ek bhi
Œ
         if (target = = 0)
                                element nhi lagega-
Œ
              return O.
                                 -ve hum bna nhi skte
Z)
          if (target 20)
                               isilige kuch aisa resum krenge
              return INT_MAX:
S
                                  ki mini update hi na ho.
Z
              mini = INT - MAX;
3
          har ek anay ke lige call krenge.
          for (int i = 0; i= an. Aiz(); i++){
>
               ent ans = solve (arr, target - arr[i]).
>)
         mini = mini (mini, ans);
                                        now this line is
)
                                            wrong.
      /* une just princhade a element
P
        (means we took one element to make
>
             target), to we will add I in ans.
>)
               mini = min (mini, ansi);
>
        now in this if and is INT_MAX then we are
\gg
        adding I in this so this is wrong.
>)
         So we will only update mini when ans is not
\geqslant
>)
        INT_MAX. *
~
                if (ans ! = INT_MAX)
7
                      mini = min (mini, ans +1);
7
3
7
          return ans;
7
       another way to robe this problem is to start
2
       from 0. ( with the help of an additional variable).
2
2
2
           tanget = 5
```









learned two fatterns -We 1 Include - Enclude (2) for loop - Eterate on each element Quist- but into signents 3  $l/p \rightarrow N \leftarrow rod length$ 9 find max noof segments you can make of this rode provided x, y and z. D N = 7, k = 5, y = 2, z = 2, 3 3 2,5 9 2,5 3 ) Il solve function returns man. no. of segments -> int solve (int n, int x, int y, int z) § ) 11 base case If the leagth of a rod if (n = = 0) is 0 , then we can't even 9 return 0; 9 cut it. 3 int a = = INT\_MIN; if (n-x >=0) € and = solve (n-x,x,y,z) +1; int b= = INT\_MIN; and of n-x w if we have to find and of n then we will add I. if (n-y>=0){ b = solve (n-y, x, y, z) +1; int C= FINT\_MIN; 引(n-z>=の)と c= Rolue (n-2, x, y, 2)+1; Int aus = man (a, man (b, c)); return ans;

```
make a simple code >
Let's
      solve (int n, int x, int y, int z) &
       if (n==0) {
neturno;
       if (n < 0) &
            return INT_MIN;
        int ans1 = solve ( + 1;
        int ans2 = solve (n-y, n, y, z) + 1;
        int ans 3 = solve (n-2, x, y, z) + 1;
        înt and = mone (ans 1 + more (ans 2 + ans 3)).
        gehim and;
  int main () É
      jut n,x,y,z;
      cin>> n>>n>>y>>z;
       int and = solve (n, x, 9, 2);
       if (ans =0) ans =0;
                                 INT_MIN+3 g(mam ()
       cout a and;
                                ans =
                                                  if (anszo)
                    ENTMINE
                                                      ans 20
                                                  cout a ans ;
            INT-MIN+
                                               main(){
if(ans = 0) ans = 0;
                                                    cout of ans;
   n = 7
  A= 5
               INT_MIN
   y=2
   7=2
                                            INT-WIN
```

