

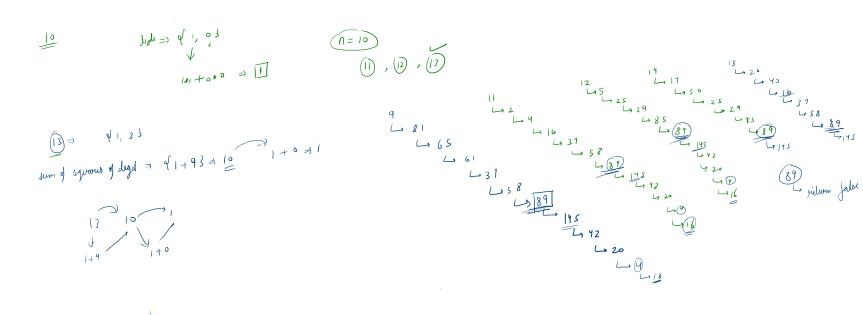
```
n= 1/2=5
                                                    k=5
                                                                    ans=1
       n= 6, k=5
                                                                  0
       k=5 = 124
                                                                    6+4
      kirs = h=4
                1dx = 0 => (0+4) / d. s/2 => 4/6=) 4
                ida = 4+4= 81. al. size = 81.5=3
           do a (0+4) a 7/d (10 a 7/4) 3
               ila=(3+1)= 7.1 d.(N=) 7/3=1 => ide=(1+4)=15/2 d.six=5/2=)
     A potaglist < I iliga > al. = new Acoughist < >(); Mic =>
                                               ____ d.get(1) || d.get(1dv)
                     1/ (/20 = )
          al add(2)
          al-add (s)
           al. add (9)
                                                 al . removi (1)
          d.size ();
n=6; k=8 k=4
           pt k= (0+4)./.6=> 41.6=>4
                                                           ArrayList<Integer> al = new ArrayList<>();
   d = \begin{cases} 1, 2, \frac{2}{3}, \frac{3}{4}, \end{cases}
                                                           for(int i=1; i<=n; i++){
                                           idn = 4
        pth= (9+4) 1. 5= 81.573
                                            Wn=3
   pth => (3+4) 1 4 = 74.403
                                                             int personToKill = (idx+k)%al.size();
al.remove(personToKill);
                                           1dn = 3
   d = (1, 2, 33
   ptk= (2+4) /. 3 => 7-1-3 => 1
                                            Jn= 1
```

ilmil

ptk) (1+4) 1.20 51201

al=) 415

return al.get(index: 0);



```
=) Sum of (square of every digit)
4 was is either equal to 1 on 89
```

n= 10

```
public static boolean
    if(num=1){
        return true;
    }
    if(num=89){
        return false;
    }

    int sumOfSquareDig
    while(num>0){
        int rem = num%;
        sumOfSquareDig;
        num/=10;
    }

    return isLuckyNumbe
}

static int solve(int n)
    for(int i=n+1; k=10
        boolean luckyNumber :
        if(luckyNumber :
        return i;
    }
    return -1;
```

```
bublic static boolean isLuckyNumber(int num){
    if(num==1){
        return true;
    }
    if(num==89) {
        return false;
    }

int sumOfSquareDigits = 0;

while(num>0){
        int rem = num%10;
        sumOfSquareDigits += rem*rem;

        num/=10;
    }

return isLuckyNumber(sumOfSquareDigits);

static int solve(int n) {
    for(int i=n+1; i<=10000; i++){
        boolean luckyNumber = isLuckyNumber(i);
        if(luckyNumber == true){
            return i;
        }
    }

return -1;</pre>
```