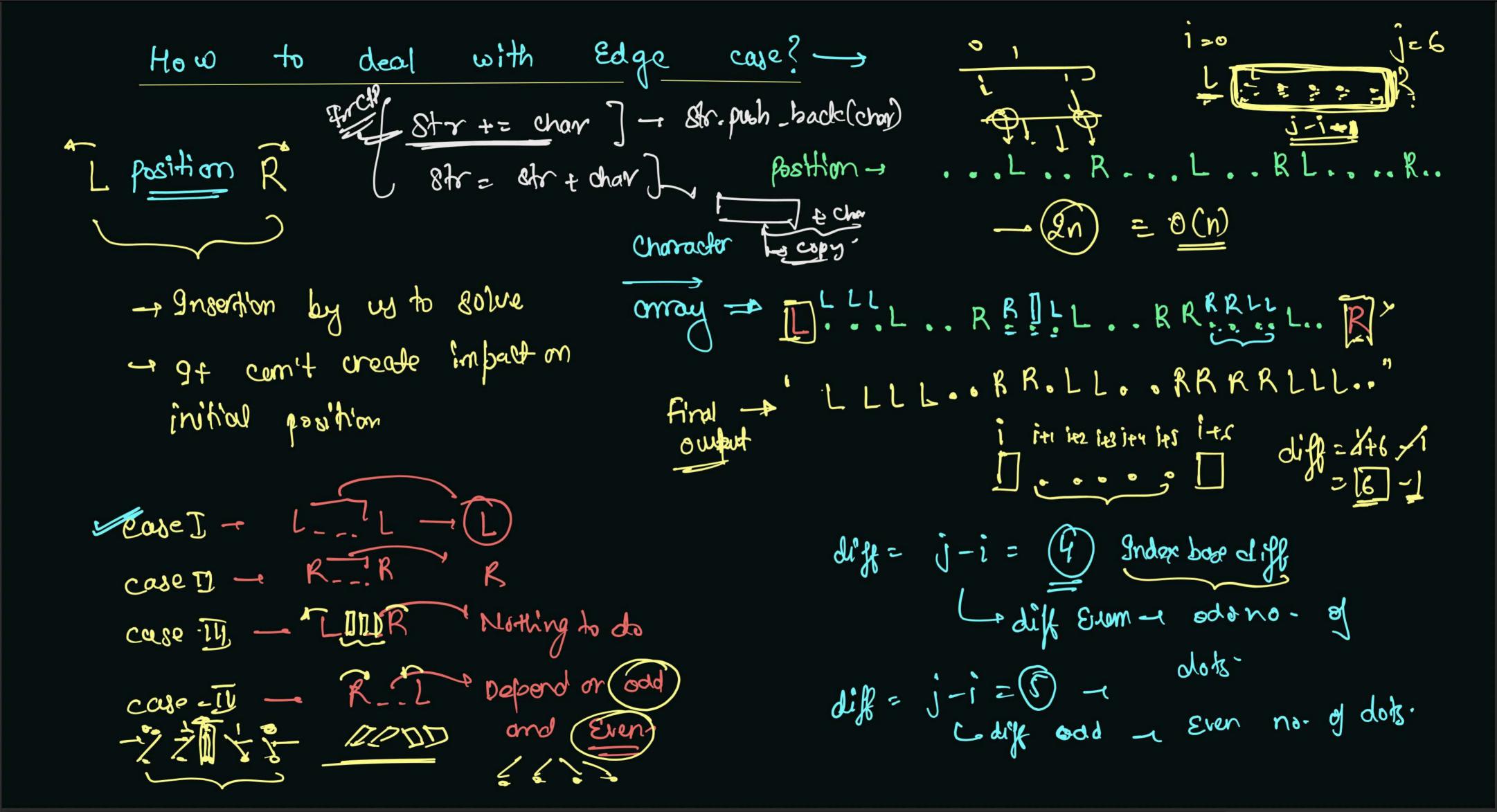


2 plut - Position et Domino with direction of force applied at time to outlet - 1 that position of Domino

"RRRRRRR" Remain some de Cose - IJI even "." force balonce from Left & Right balonice. too RRR TILL too RRRLLLT



diff= j-i for Litt to midr R. Don't sneip for 2 mid + 1 to j4 — e L only domina Managed in single loop freven\_ add élots. Forz its to mid-1—18 skip middle donn's
forz midt) to jts L its; j. while(I<j)}

of possible way to make 15 with consecutive

1=15 number Eum.

tor k-length consecutive

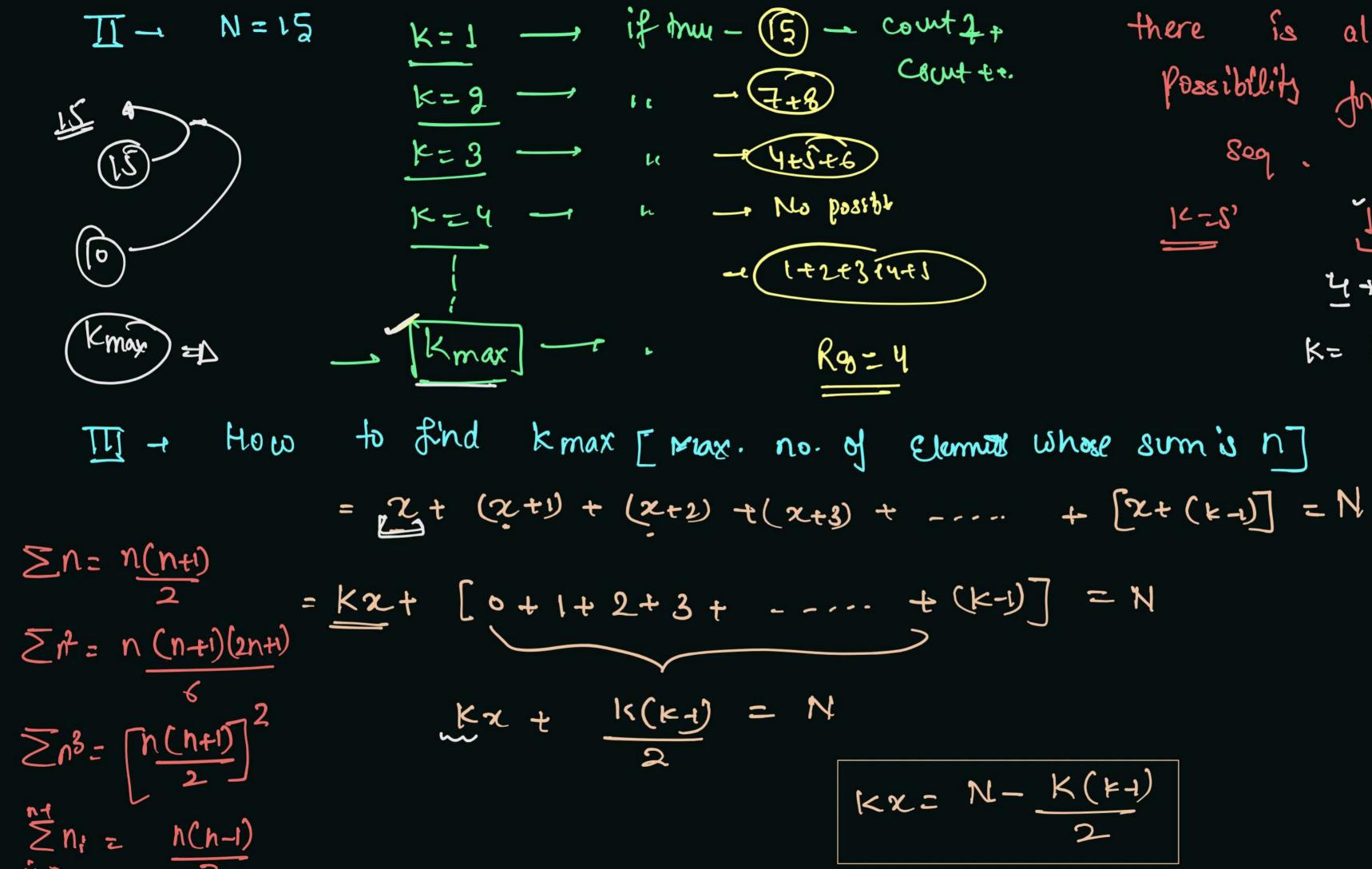
god nouce.

otleast

possibility is single

always available. - no : itself.

prevenut



there is always single

Possibility for k leyth

Soq.

14-5+6 [F=3]

K= No- of different Elements

\_\_ sum g k Elements. Kx= N- K(+1)

linear Equation in 2 vaniable, 'K', and 'x'

- (1) Either we have two Equallon
- 2) but and try, but value of fixest variable and get secondance,

finds for emal finding put value of ic 12-1 K=2 lc =3 lc =4

kx = n - k(k+1) 2kx = an - k(k+1)

k² \_ k+ 2 kx - 2n =0

k² + k(2x-1) - 2n 20

the - b + Spryac

 $K = \frac{\sqrt{2x_1}}{2x_1} \pm \sqrt{2x_1} - 4 \times 1 \times (2n)$ 

Comt i consider of it

Style Solution fort pe = - Ve plot possibles

$$kx = N - \frac{K(k+1)}{2}$$

 $\chi = \left[ \frac{N - K(k+1)}{2} \right] / K$   $= \frac{1}{2} \times \frac{1}{2} = \frac{1}{2} \times \frac{1}{2} \times$ 

 $\frac{1}{2} \left[ \frac{N_1 - K(K+1)}{2} \right] / K > 0$ 

 $N > \frac{k(k+1)}{2}$ 

3 &N > K (K-1)

i) Upper Range of k,

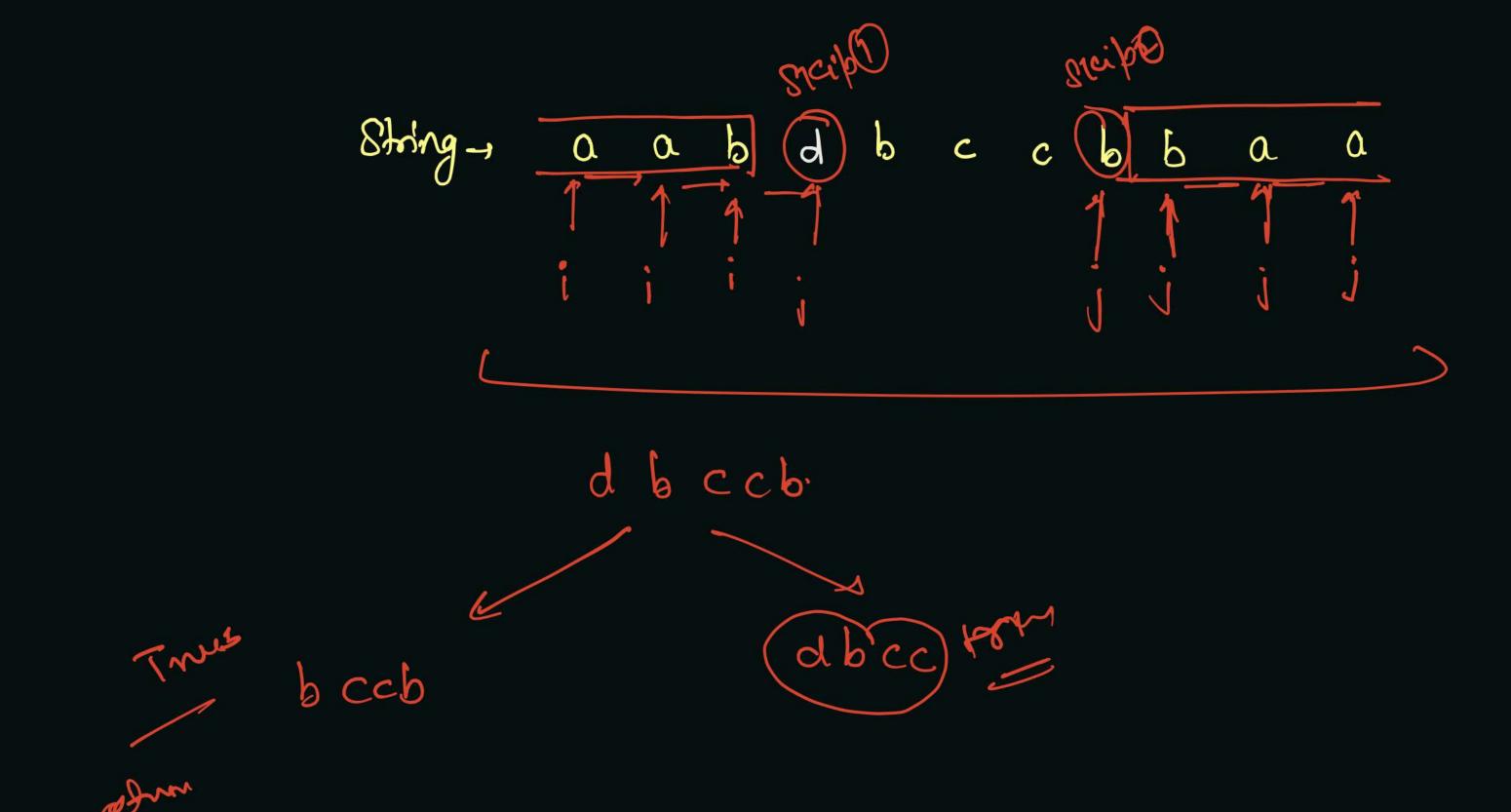
K(K-1) < 2N K(K-1) < 2N  $K(K-1) = K < \sqrt{2N}$ 

As we know all gritger are the

K(k-1) < 2N Loop of K from 1 to Kx= N- K(K+) [1.5] 2.5 3.5 4.5 find x= ? K=1 find x. = ? if @ is K=2 9 Negra!  $= \frac{N-k(k-1)}{N}$ z is starting K =3 Seguemce Count ex K = 4 'x' is only valid the solution of me will be on Integral value. - K(K3) (2N - if si is on groteger the it hold equat- $\left(N-\frac{k(k-1)}{2}\right)$  % k=0 . Numerator must - P Court in Final Result be divisible by 10 (i.e. denominator). - No - of ways K& K < N

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i=0; j=length+,

while (i's j) ? if (charlil = 2 chb?) iet; J ---! 3 else } return is Kalirohan Stm, (+1, j) is falindram str.

sochn four

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