- String multiplication - Sentence rever<u>se</u> 0123456789-__the_is__sky_blue Vector < string > V. String W= } "The" W. push-back (s[i]) the General word 4 (51 { v. push-back (w) } "Sky", "blue" do nothing

(cey is broken : will print twice (always even no. of continuous chars) If some character occurs odd wimber of times Consecutively => the key cannot be broken [aa][a] ky is working (a) X. S -> a aa a 3 b b 3 c.c [a] [d] [a aa aa aa]

(a -> 6 + ines)

freq [] = [T|F|F|F|F|F|F-----Tif at any place in the spring I get odd-cont-freq for a char = if is working N students N-g -> weak g - good

the total no. of compons we have 30 3000 infiall #weak, + (N-9) x Y. (10 weak (3×10) no. of compous needed for good students. (X=2) (20 × 2) (40) (G, x X) if (g.x <= m+ (n-g)-y) 30) 15 good 15 weak uc can give turns compons

have = 5+ (5x3) = 5+45=(50) needed = 15 x 2 = (30) 30 students total $g \rightarrow 0, 1, 2, 3, 4, 5, 28, 29, 30, \%$ max imum possible value of 9 (check if possible) > true: output g and 1840/2

g -> {0,1,2, , NS $true = (n-i) \times y + m$ this much not possible (n-i-1)xy +m students pomple

$$S=0$$
, $e=N$, $auid$
 $whi(e(S < c))$
 $uid = (S+e)$
 $if(mid \cdot x = (n-mid) \times y + m)$ (
 $S=mid$;
 $s=mid$;
 $s=0$, $auid$

first oust:
$$t=5$$
 Tuesded $\{1,43\}$

Second cust: $t=7$ Twesded $\{4,6\}$

Third cust: $t=10$ Twesded $\{9,15\}$

The start the second $\{9,15\}$

The second cust: $t=10$ Twesded $\{9,15\}$

The second $\{9,15\}$

The second cust: $t=10$ Twesded $\{9,15\}$

The second $\{9,15\}$

The second cust: $\{1,43\}$

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The second cust

(T-)9) الركال Tuin = 0 Tuny = 0 first (+=5) : tur - tpre = 5-0 = 5 veg { 1, 43 Etmin = -53 de any trup ins Tmax = 53 de Hy's vonge i's achievable - if (Thin, Thax) how not instruscet with requirement, then not possible

- oflurwin it intersects at some range, possible required. Tuin = max (Tuin, reguin).

Tuin = max (Tuin, reguin).

Tuin = min (Tuax, reguax).