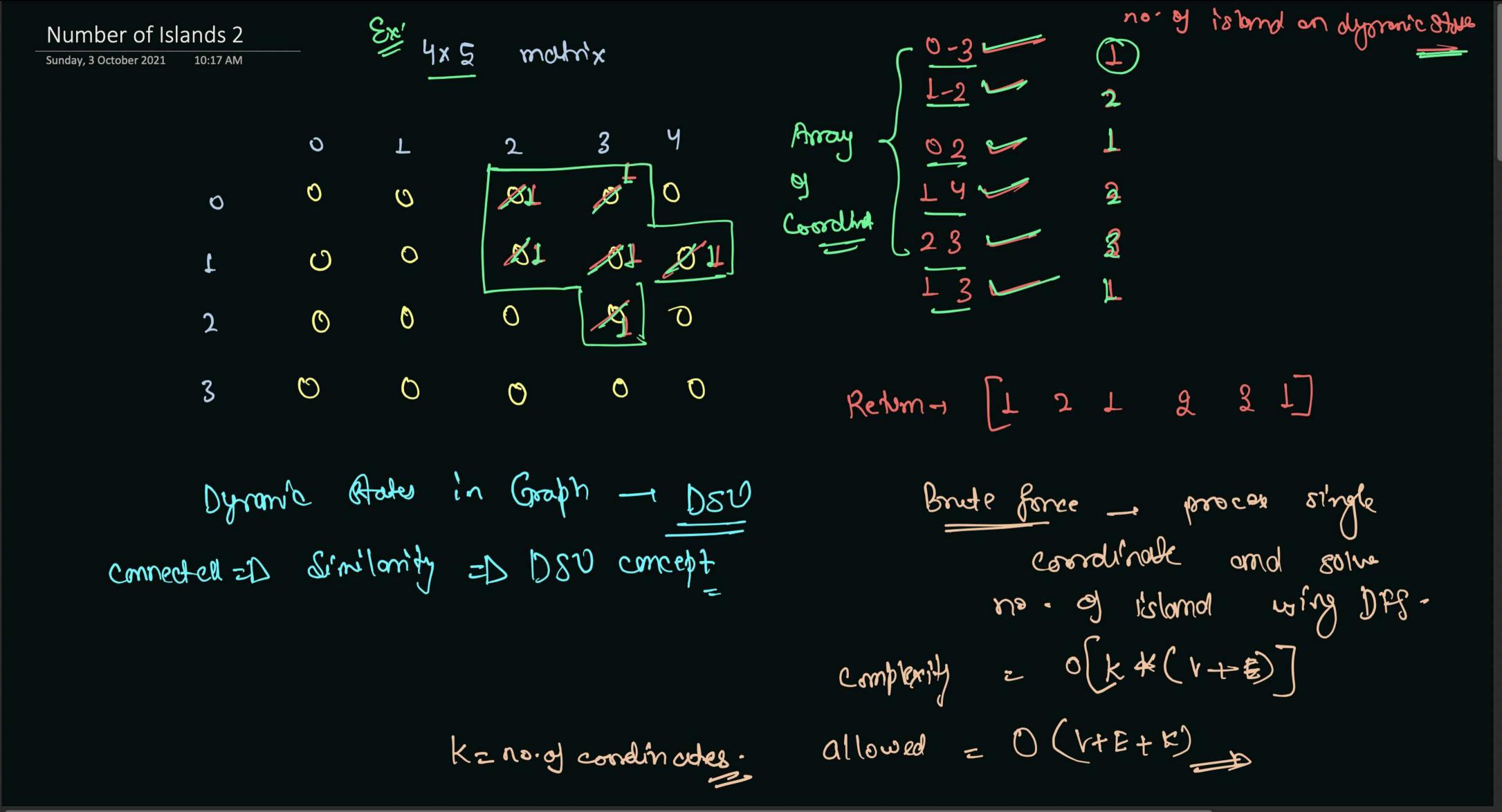
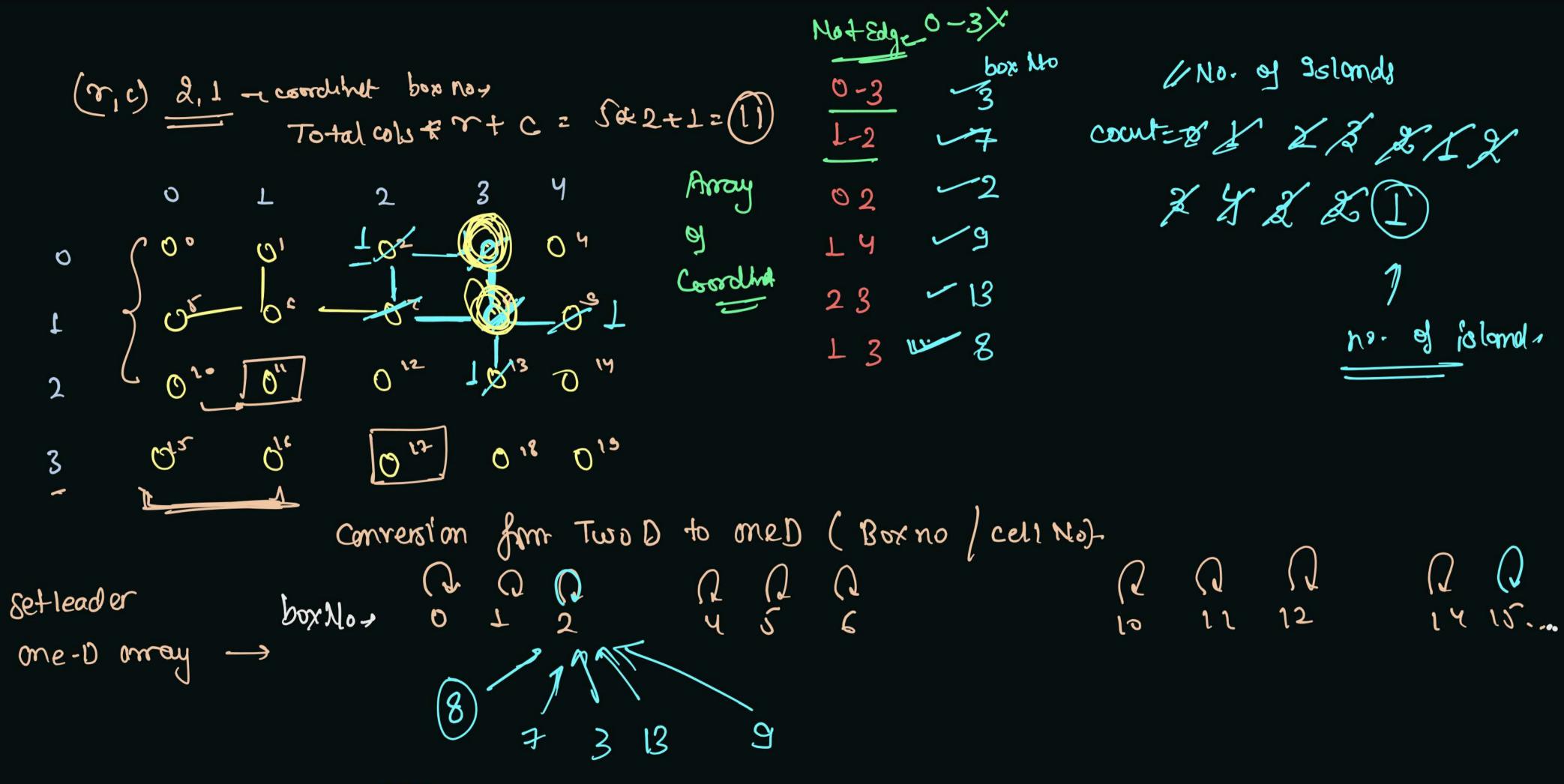
## Morning

- 1 Number of goland-TI
- 2 Redundant Connection
- Redundant connection. II

## Evening

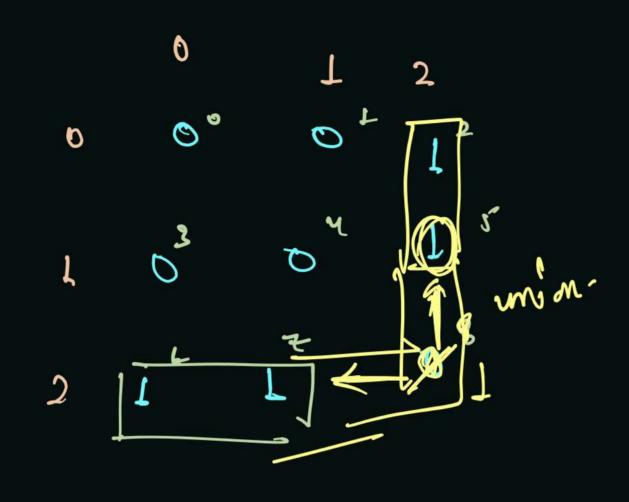
- 1) knuskal Algo
- 8 satisfability of equality Eq.
- (3) Sertence Similarity

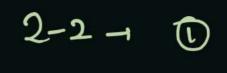




ce11No + 3\*5+2 = (17)

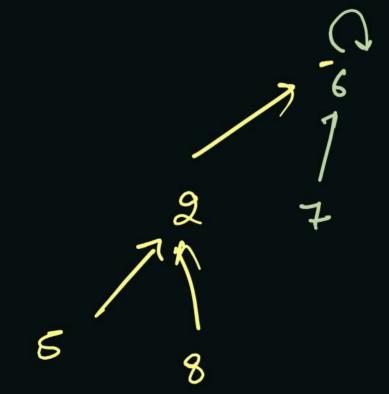
How to find box no-(10) Couragian & form cell No (20 coordinate) -6 (19) 10 13 coordinate (r, c) LD' (16) 17 19 18 box No= total obl \* 8 + 6 How to find cell No. from box No-3 Ex. 4 (31) Total Colzi rows box No. box No = 5 + 3 + 1 = (16) Total Col Col = box No % Total Col (0,3) $84.6 \cdot 16 = 16$  7000 = 16 = 3(31) box No = 5\*0+3 = 3 Col 14 % 5 = 1 Ex. bx.Nr=3 now = 3 -0, col=3 xs=3 Ex (24) box No = 5 = 27 4 = (14) (6,3) (8,3) (





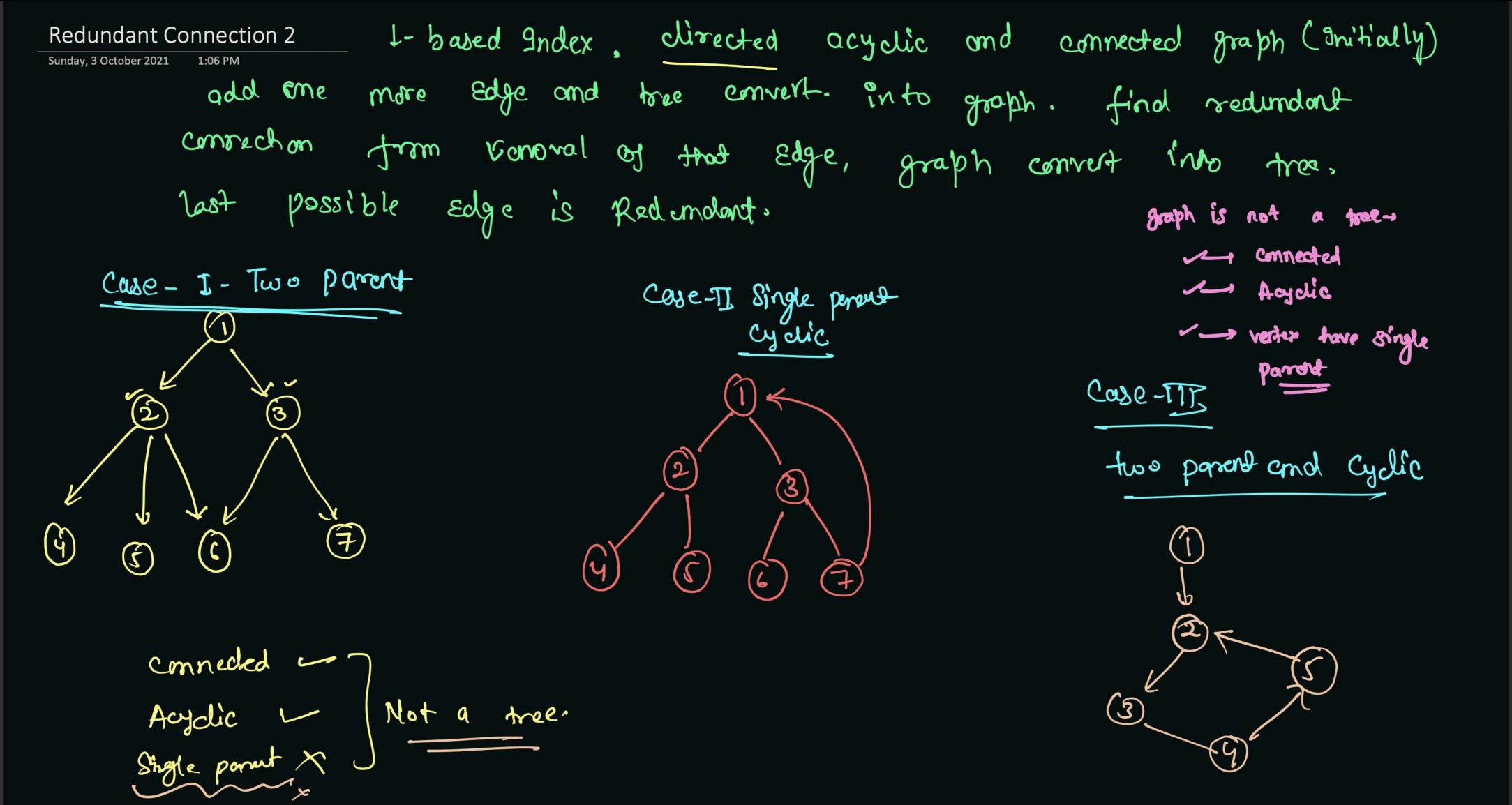
count=22221

+ 2 dr



\* A graph is a tree Redundant Connection fiven a trece with addition one Sunday, 3 October 2021 12:18 PM more Edge, three convert into If Acyclic and Connected Iraph, find that redundant volid Reno vol find, Nott: There must be an Edge projent Imm Removal of that Edge Graph ament into free, convert on graph from Tree. 0 -3 7 80 if there are moudifole bessippliated a moral of 2-3 Edge then randre last this Edge is Edge provided order. reponsible for conversion so it is Result.

0-1 if a tree have 'e' edgy than it must 2 have set leader 20 tale 'etl' 2 havo sot leader 20 vertices. vertex -1) if some skt leader enutes Parent trout men this is cry clic Edge. - there must be single Strøle cycle oycle, and it is trus that curvit Edge is repositible Edge.



case-I Two parent for order of Edge Indegree - concept poenling neighbors Nor of toward a vertex is given 2-06 5. 43-16/ of that vertex. 3-17 Kigutt becor 14 adype it as and inthalise two port of ( ) Adepea 2 if in Edge 9 gnargee [v] is not -1 Low Eggs. 0 mean there as already another paret of - Etres vigle Easter Edge is here. vis available

Al Now 9n case-14 [ graph is cyclic] - For surely of cycle uneck Indquection : If we have directed graph and we are trying to find if it is cyclic or not then DSU is not enough to find this. cross Example.

(1) 3 DSU says it is cyclic

But it is not But if in directed graph we know that and also one one rodund out edge is creating there must be a cycle that cycle then we is creating Edge Wing 13 Q 2 7 Can find that 247 DSU com cept.

