| and the same of th |   |                                    |
|--|---|------------------------------------|
| ovse keeping   | Friday's tetorial is moved to room BA1180   |                                    |
|  |   |                                    |
|  | ADT OPS Data Stricture  |                                    |
|  | Dictionary Insert - BST.  |                                    |
| Er filmen it wisseringen Ambrille i Grandelle ing visselle dersek grandellegen.  | · Delete · "Balanced Trees":  |                                    |
|  | · Search 2-3 trees - red-black trees  |                                    |
| nessen santilli i seksistementuskom opila paliji olijili samasili malaken kansas punampal  | - B-tnees, - Adelson-Velski-Landis  |                                    |
| syspenselet i sammy sept kinaksisetsisme terikalapatetsis kaksasistassassassas   | Proben with BSTs:   |                                    |
| € distribution of the control of th  | start with @ 3 4, 5, 6: 00 result: height be ops 01                               | n                                  |
| e en   | start with (1) (3) 4,5,6: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                   | n)                                 |
|  |   |                                    |
| Albertaja sudajantee rausajan ir, eline as japan kaasa one aantaliitiis John astronomia  | Height(v): # of edges on longest path from node v to leaf t                       |                                    |
| algo - californi francisco de la compansión de la compans | Balance Factor (v): Height (V. righteliild) - Height (V. left)                    |                                    |
|  |   | none and an analysis of the second |
|  | ALL Tree = BST such that Y nodes V, BF(v) & E-1, 0, 15                            |                                    |
|  | · -1) V is Left-heavy" o) Balanced 1) V is "right-heavy"                          |                                    |
| the company gainst play commission in the religionship in the control the following and property gainst the control of the con | · empty AVL has height -2, BF-2,  |                                    |
| a pitoparona, ar diproceso, an annor in riligia diprincipalitikan i terbum dinadi (sidika propositiona   | · single node AM has height O, BF O   |                                    |
| a stadaga kara sa  | · balance factor stored in every node   |                                    |
| edalina ari na najvijikala kini kinada ja anja ja kini di nada kinada kini nama distrakti na kini kini kini ki   | 0, 0+1  |                                    |
| nnd ukuupitaku eng paphawann ni saa hyapusada ni nithi kan ni hito daha "haar nit  | 00 00 0-1 9-1 9-1 70 9+1  |                                    |
|  | o balance factor stored in every node  00 0+1 0-1 0+1 0+2  00 00 0-1 0-1 0+1 00 0 | +1                                 |
|  | 30 00   |                                    |
|  | · AVL of m nodes has height O(logno) [< 1.44(log m+2)]                            |                                    |

· can do inserts, deletes, while maintaining tree balance in Ologm)

