HANDOUT: https://mathlab.utsc.utoronto.ca/bretscher/b63/tutorials/tutorial-03.pdf

warm

ted wet

make up

AVL Insert Insert honey, milk:

ted wet

ted wet

honey Milk

no Cotation

Insert Cake:

ted wet make up honey milk Cake

Single rotation CW

make wet

honey tea

cake milk wo

Insert Vanilla: make wet honey ten cake milk up varilla Double rotation CCW then CW Warm

+ ea Warm Make Cake ROTATIONS h+2 rotate at x (W rotate at rotate at V (CW $\alpha +$ rotate

potato haddock ribs Sushi letture quicke wings (0) 400cm/: Delete steak replace with successor sushi haddock ribs letture quicke wings (0) procent.

Single notation CCW ings haddock ribs deflue quicke / Veggies rotation CW ` SWSh; Cod quiche Veggies Zucchini

General Algorithm:
Assure Keys in T, < keys in T2
height of T < height of T2
1. Go down left path of Tz until
find node v where height (v) > height (T
2. N's subtrec beares

v.right T. v.left

3. replace empty node with predecessor/successor and rebalance starting from v then up

exumple SUShquiche veggies Zucchini almonds burna broccoli use broccoli haddock Jou Co Zuchini quiche Veggies

almonds buna

Single rotation CW

potato

Sushi

apple haddock ribs wings

almands banna cold lettere quicke Veggies Zucching