07 = UAUB((Ra-RS) Zert(VT) 22 So exp(V)2dv. 2 V-JRA-RB)2 OTVV(RARB)2

taking dervative wort some they are integral! = 2 exp(-v²(Ra-RB)²) V(Ra-RB) Component

TH distance

distance RECAP [0](0) = UAUD ] (RE-PO) 2 erf (VT) This town - (Ra-RB)
This town - (Ra-RB)
Va-RB) Combine:

[O] Ja [Ra-Ro] ert (VT) + [Ra-Ro]?

[Ka-Ro] [Ra-Ro]

2 RA E TOJ(0) - VAVD [- Ra-RB] CUF (VT) + VILLE - 2V e - Ra-RB] time to simplify ... est - VAUD (Ra-RO) (VT) MAVB 2V e-T T(Ra-Ro)  $\sqrt{\pi}$ + Va Vo (Ra-RB) UAUR -(+)UAVB (Ra-RB) (Pa-RB) (Pa-RB) + 2V e-RB) (Ra-RB) matches slide! Yay! more dready 3 (0)" = Un UB (RA-Pa) (-erf (VF) + ZU e-T) / Ra-Rol 2 (Ra-Rol) multiply ky all the primatings