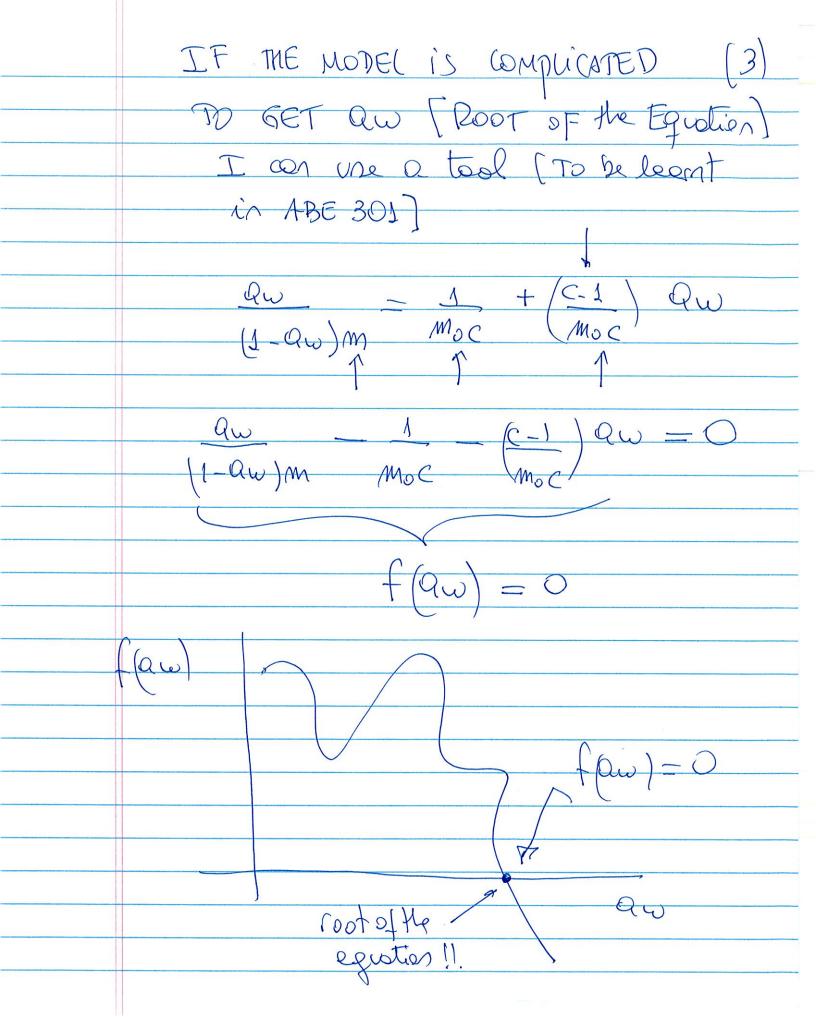
NOTES CLASS 9-28-2017 - USE OF SOLVER DATR DATA m (4) aw dry weight Qu Slide 49 (1-Qw)m Moc Moc mx+b $M = \frac{C-1}{m_0c} = 0.286$ $\frac{C.1}{m_0c} \times \frac{m_0}{m_0c} = 0.286 \times \frac{1}{m_0c}$ b = 1 = 0.0576 0.0576 C= 5.9653 Moc

Mo = 2.91

 $Q_{N} = 1 + (C-1) Q_{\omega}$ (1-aw) m moc moc If We know M = 20 / = 20 C - 22A 5,9653 We need to get QW $\frac{Qw}{(1-Qw) \times 20} = \frac{1}{2.91 \times 5.9653} + \frac{(5.9653-1)}{2.91 \times 5.9653} + \frac{(5.9653-1)}{2.91 \times 5.9653}$ Work a little with the eguation you Con pet a gradatic equation in aw and get the roots of the equation end get au [jou get tus volues One is non-sense so sove the good one.



MATHCAD Quirost = root [f(Qw), Qw] Variable Sol = noot [few) outention Initial water activity of component! SLIDE 53 Slope of the line on isotherns Qeq = W, b, Qw1 + W2 b2 Qw2

V, b, + W b 1 intid wats

Stope of adwing

Trotherm of 2 of 2 in Kg ory Mater awr, M, W, Coupeaut 2 raisin (1 Ques, My, W2 cereal (2) Qeg Ow

