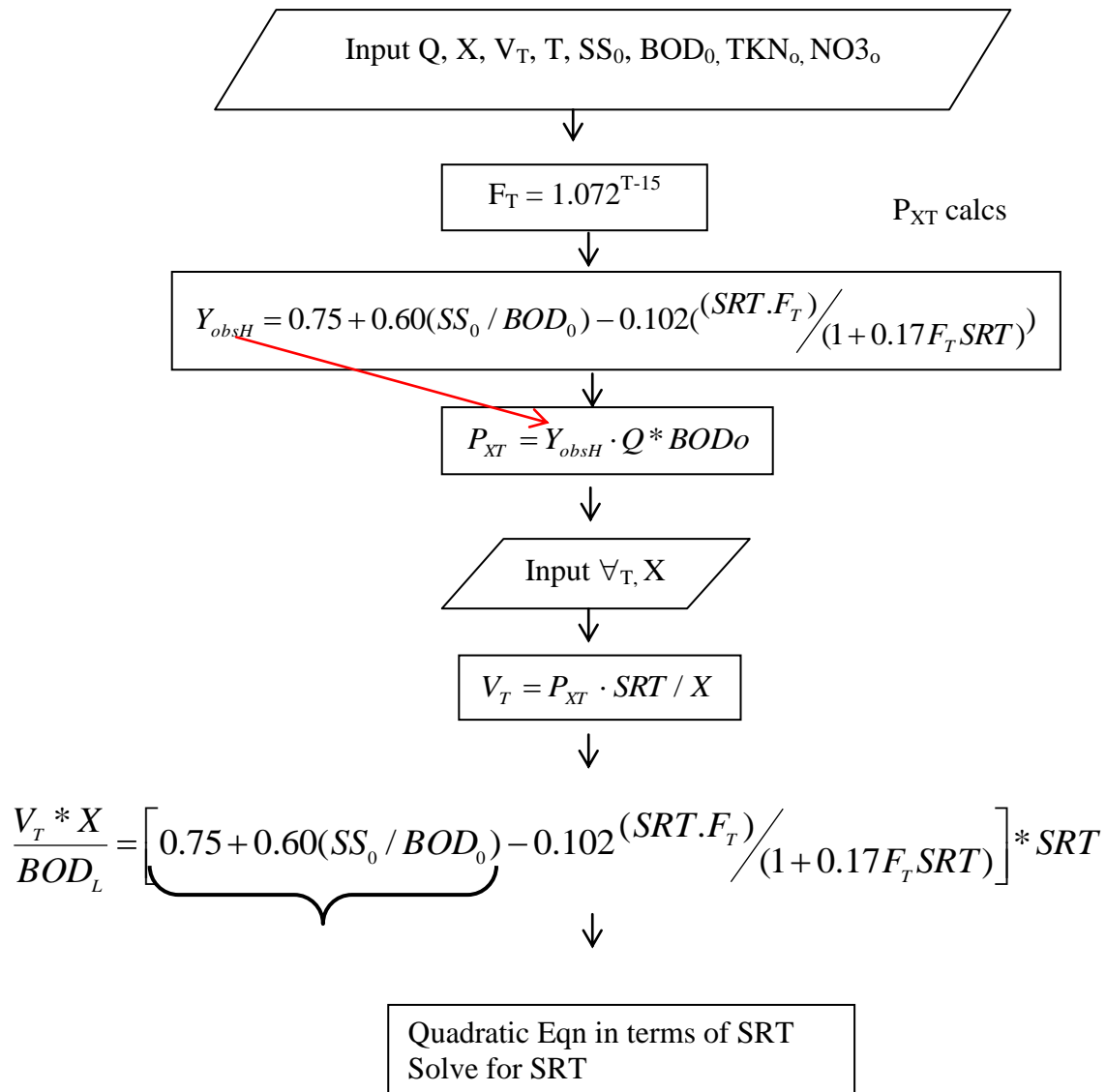
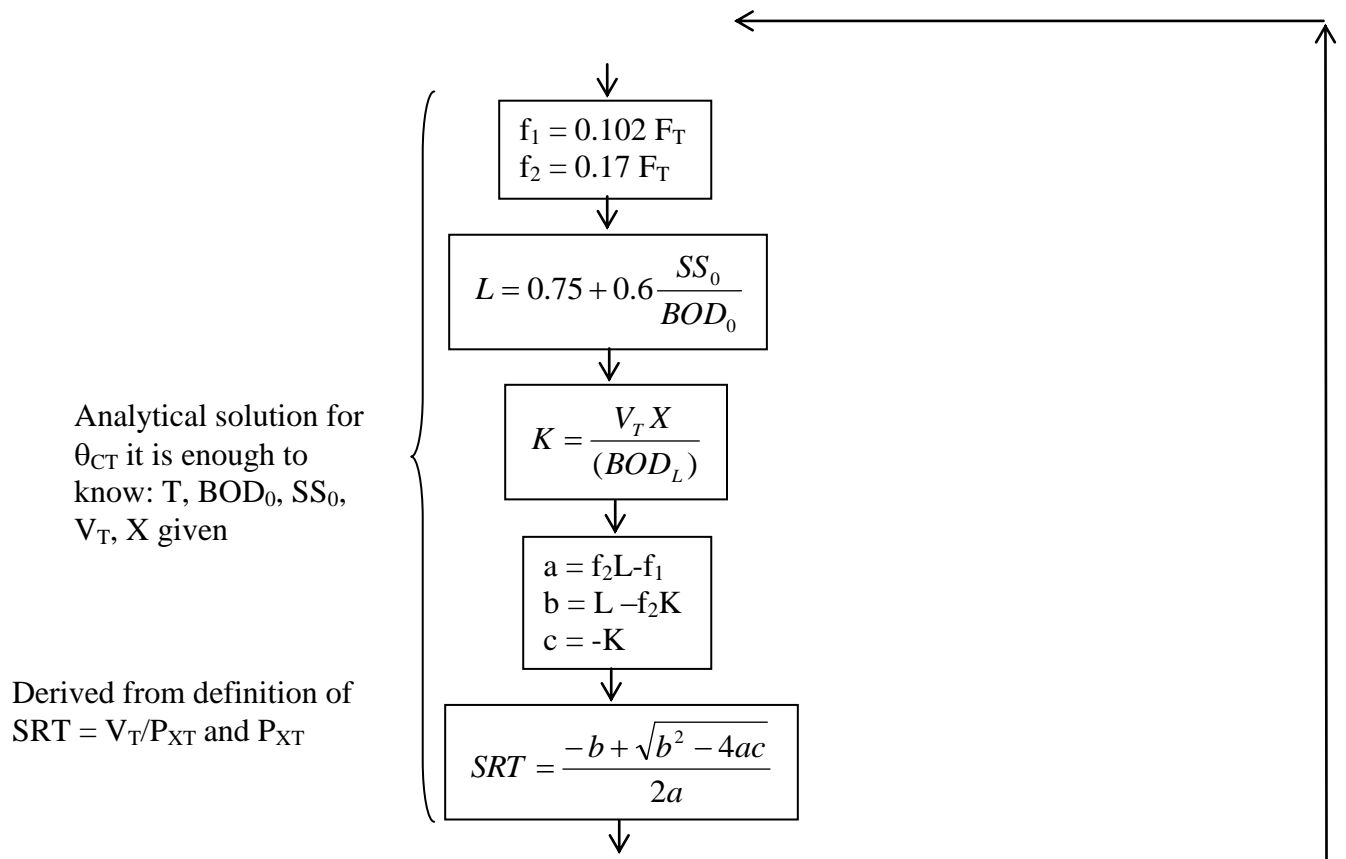


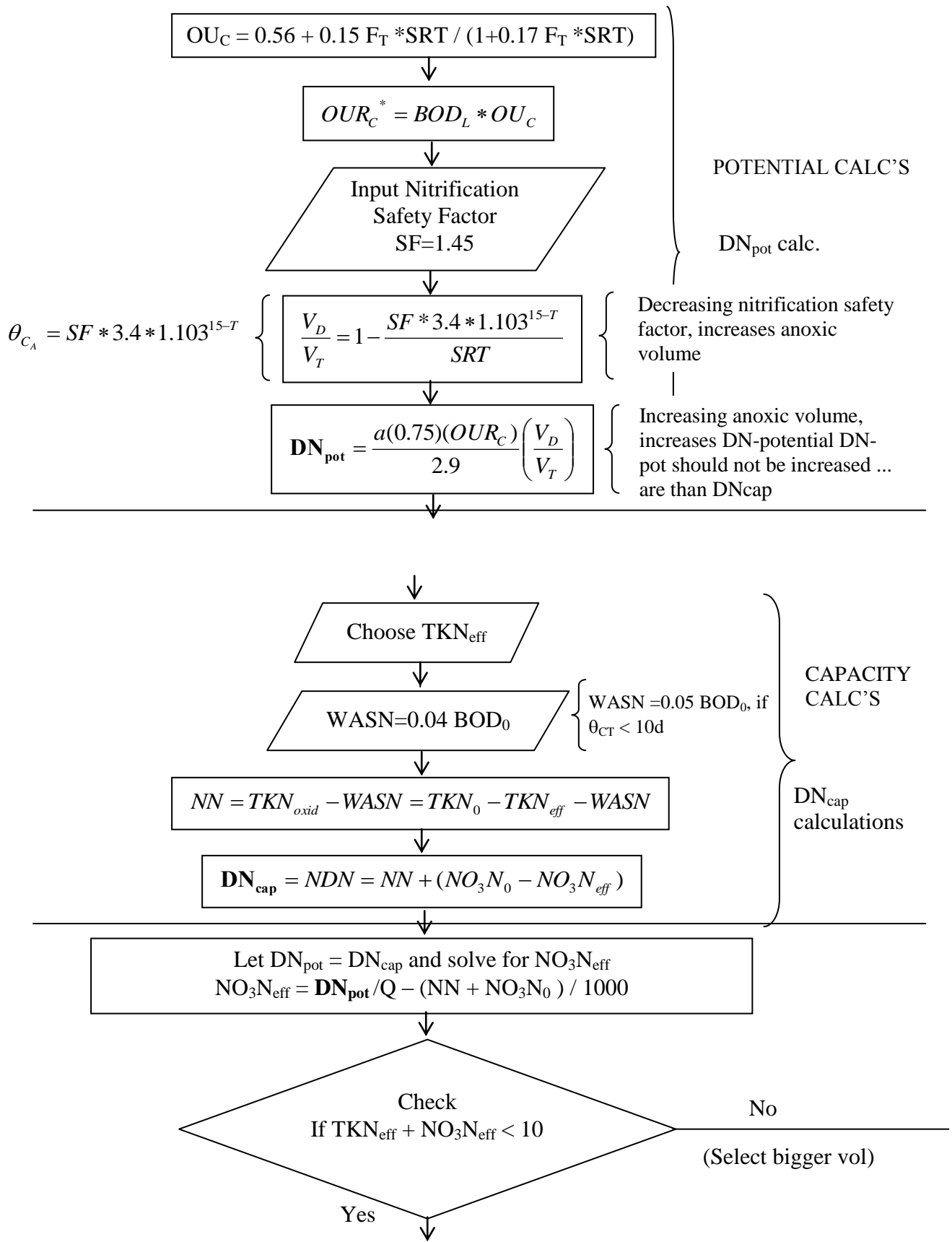
ATV – 131 (Simplified) for a given Constant V

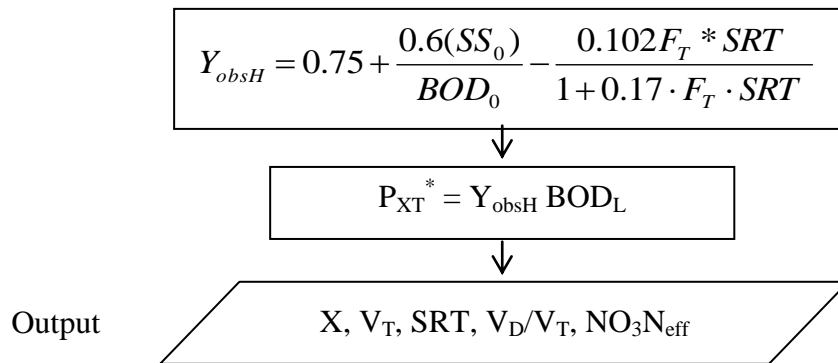




Analytical solution for θ_{CT} it is enough to know: T , BOD_0 , SS_0 , V_T , X given

Derived from definition of $SRT = V_T/P_{XT}$ and P_{XT}





* HSG uses BOD removal load $Q(BOD_0 - BOD_{eff})$

Paşaköy Data

T = 14.9 °C
 MLVSS = 2407
 X = MLSS = 5616
 θ_{CT} = 28 d
 Q = 65 903 m³/d

		In	effl
COD	= 561.83	561.85	-
BOD	= 561.83/2 _{eff}	561.81/2	-
TKN ₀	= 56.0 – 3.0	56.0	3.0
NH ₄ N	= 48.2 – 3.4	48.2	3.4
NO ₃ N	= 0 – 8.9	0	8.9