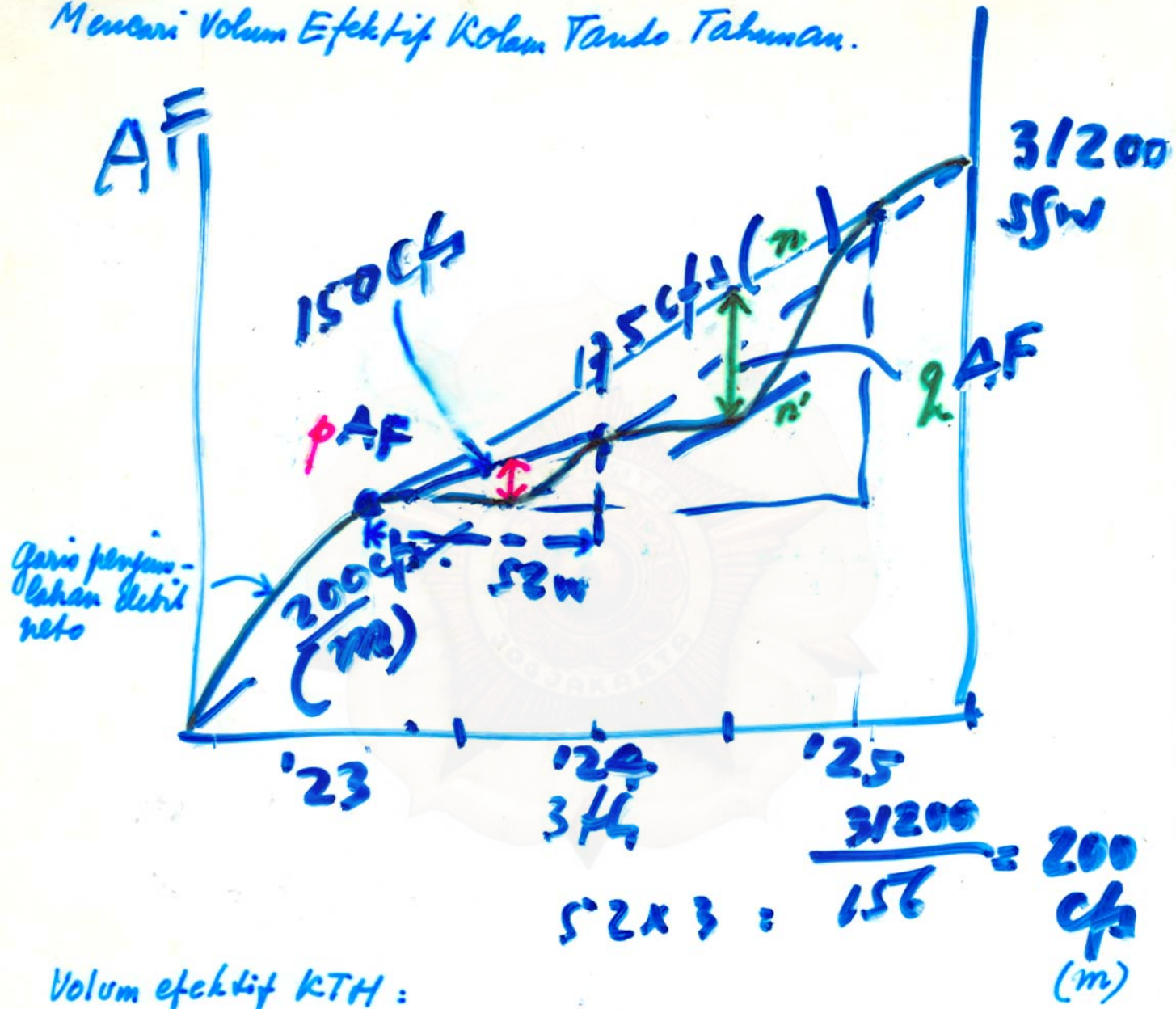


Mencari Volum Efektif Kolam Tando Tahuman.

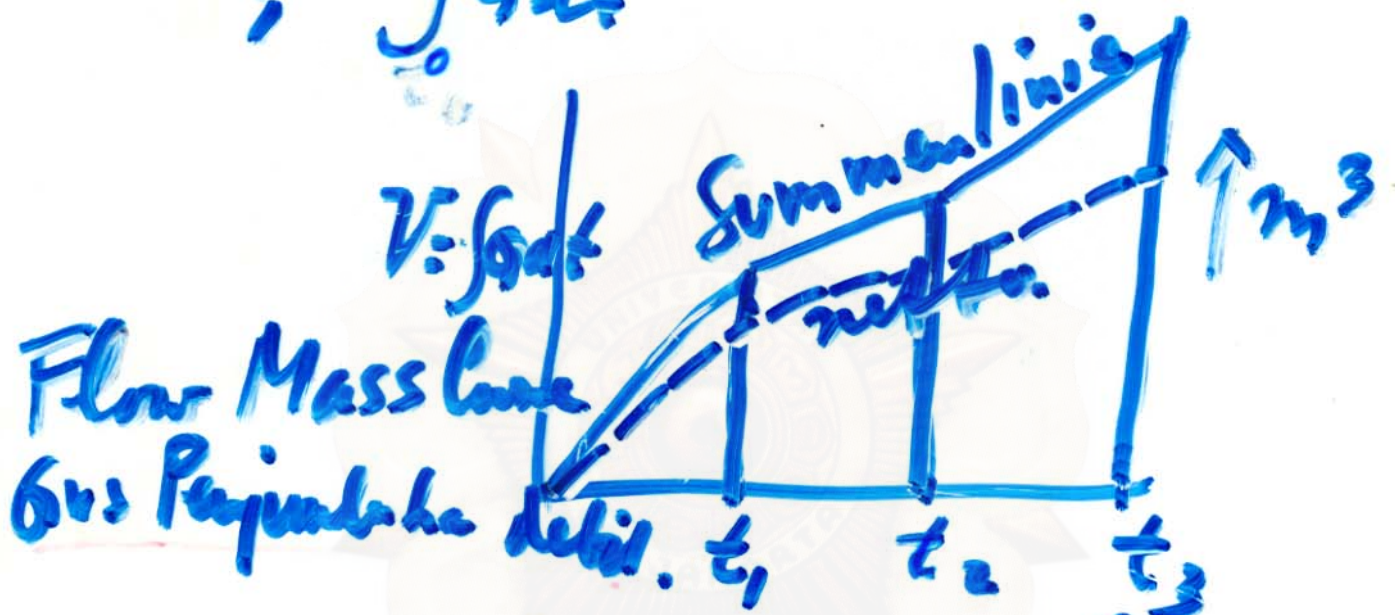


Volum efektif KTH :

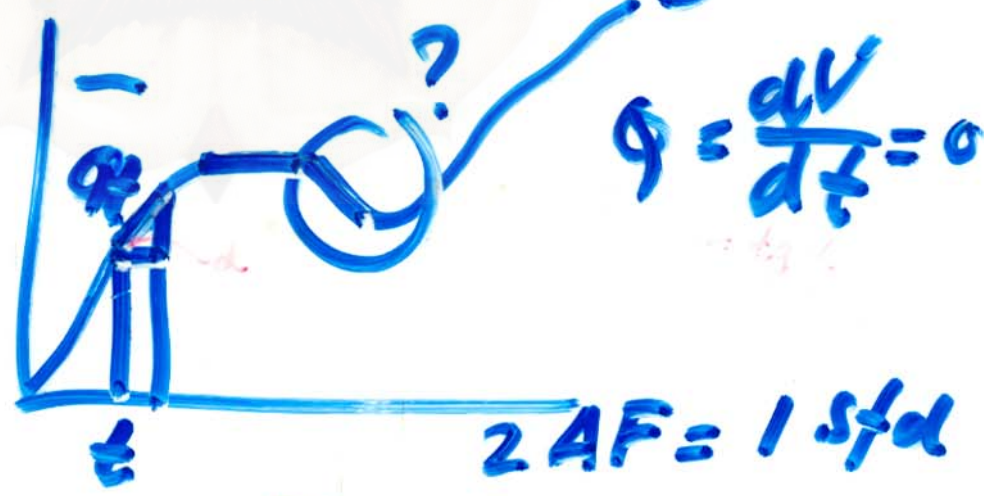
2 AF berdasarkan 3th terkering atau
 1 AF " " 1th "



$$V_t = \int_0^t Q dt$$



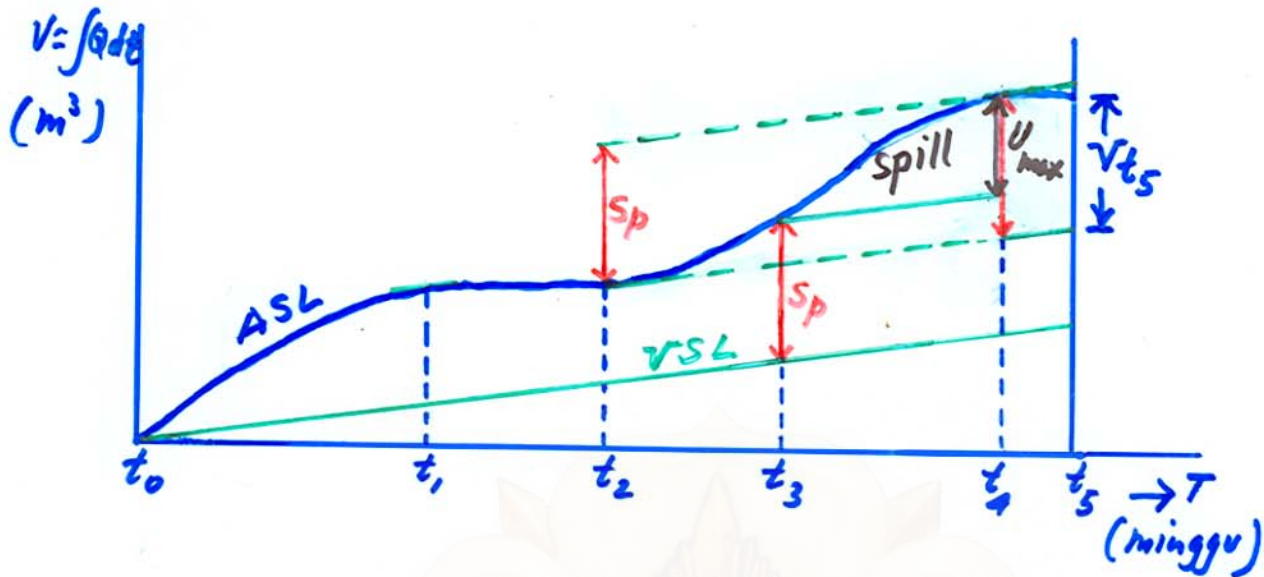
1 cfs.day.
1 sfd



$2 AF = 1 \text{ sfd}$

$1 \text{ H} = F \cdot p \text{ acre. feet.}$

$1 \text{ day} = \frac{F \cdot p}{720} \text{ sfd}$



ASL = Abfluss Summenlinie = Flow Mass Curve =
Garis Penjumlahan Debit

VSL = Verbrauchs Summenlinie = Garis Kebutuhan

Sp = Speicher = Storage = Kolam Tando

U = Uberlauf = Spill = Limpasan

Pada t_0 waduk kosong.

$t_0 \rightarrow t_1$: Muka air waduk naik

$t_1 \rightarrow t_2$: " " turun

$t_2 \rightarrow t_3$: " " naik

t_3 : Waduk penuh.

$t_3 \rightarrow t_4$: Terjadi pelimpasan (Spillway bekerja)
Waduk tetap penuh

Banyaknya air yang melimpas = U_{max}

$t_4 \rightarrow t_5$: Muka air waduk turun

t_5 : Banyaknya air di waduk = V_{t5}