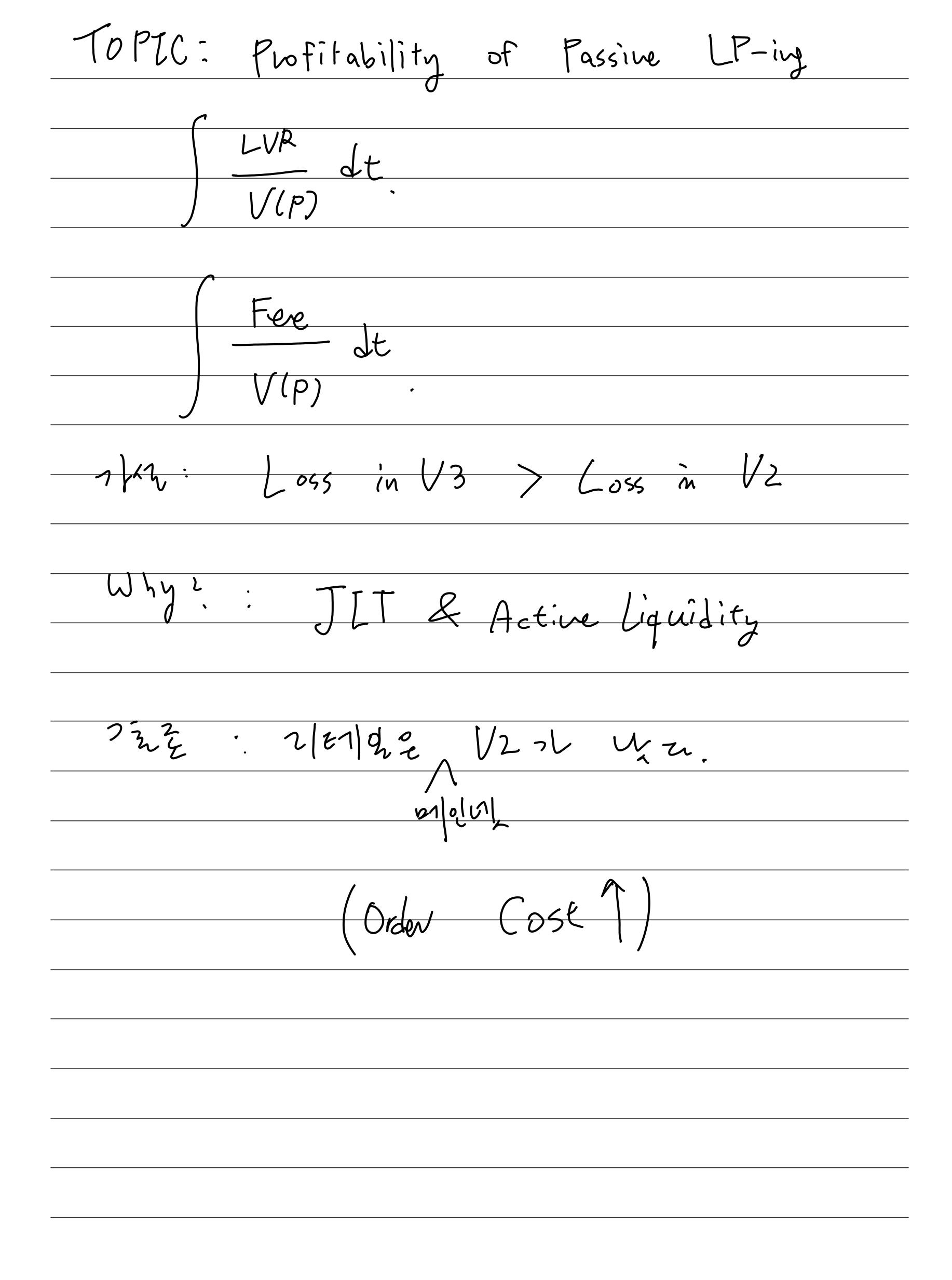
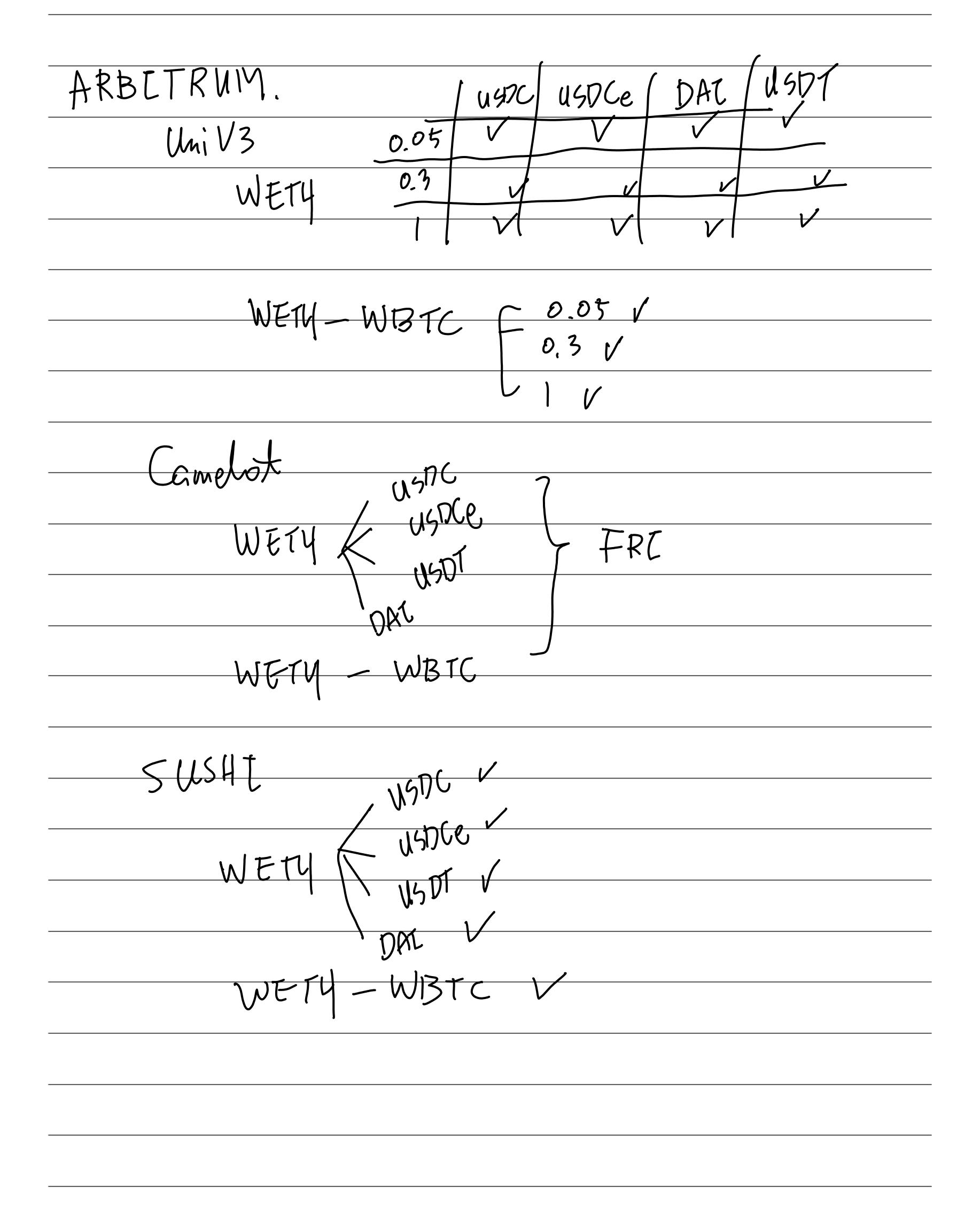
TOPIC: What Makes Difference?
1/24: Gras Fere // Liquidity (% V(P)) 0/3,229 21,01 21-21-2 21-2
(% V(P)) (% V(P)) (% V(P))
(ETHXXX or XXX ETH only)
Compute Theoretical Numbers. 7 -> Diff.
Compute Historical Numbers. Uni V2
filter the Arb-Tx only. Arb. V2. (LVR-Fee-Gas >0) Arb. V3
Diff. Color Real/sheary
Pool ,
Fig 2. Gas



Pools (Pool Value Filter: lok 1)
Mainnet
Uni V2
WETH THSDE
70301
DAT
WETH-WBTC
SUSHI
WETH C USDE
WETY - USDE- USDT- DAt-
DAt
WETY -WBFC
UniV3, USDC) USDT DAT
WEIN 5.05 V
0,3
$\frac{1}{1+c_1}$
WC14 PSS WBTC



Fu Gazi Optimal input wating: Optimal output vouting: Dynamic Fee (Tbuy, Tsell) Phid Pask default default

$$LVR = LJP \left(\int_{P} P - 1 \right)^{2},$$

$$= \left(\frac{1}{\sqrt{P_{L}}} - 1 \right)^{2} \geq \frac{2}{L\sqrt{P}}$$

$$= 1 - P \left(- \frac{x}{4} \leq \frac{P_t}{P} - 1 \leq \frac{x}{4} \right)$$

$$= |-P| \left(\frac{1}{1 - \sqrt{2p}} \leq \frac{Pt}{p} \leq 1 + \sqrt{2p} \right)$$

$$= 1 - |P| \left(2 \log \left(1 - \int_{UP}^{x} \right) \le \log \frac{Pt}{P} \le 2 \log \left(1 + \int_{UP}^{x} \right) \right)$$

$$= | - | \int_{\omega_p}^{2\log(1+\sqrt{\frac{\gamma}{\omega_p}})} f(s) ds \cdot (x)$$

$$= | - | \int_{\omega_p}^{2\log(1-\sqrt{\frac{\gamma}{2}})} f(s) ds \cdot (x)$$