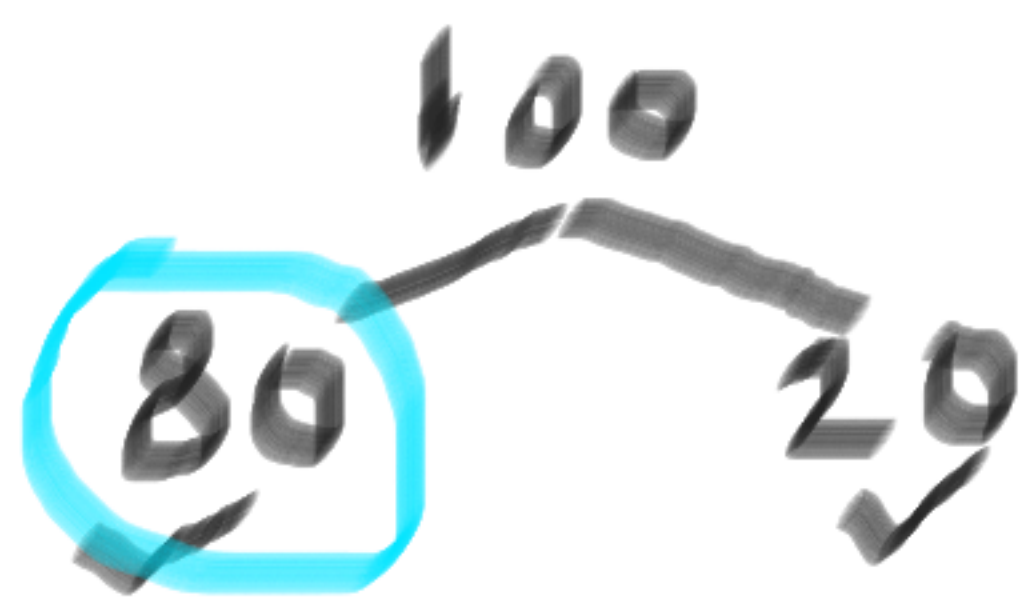
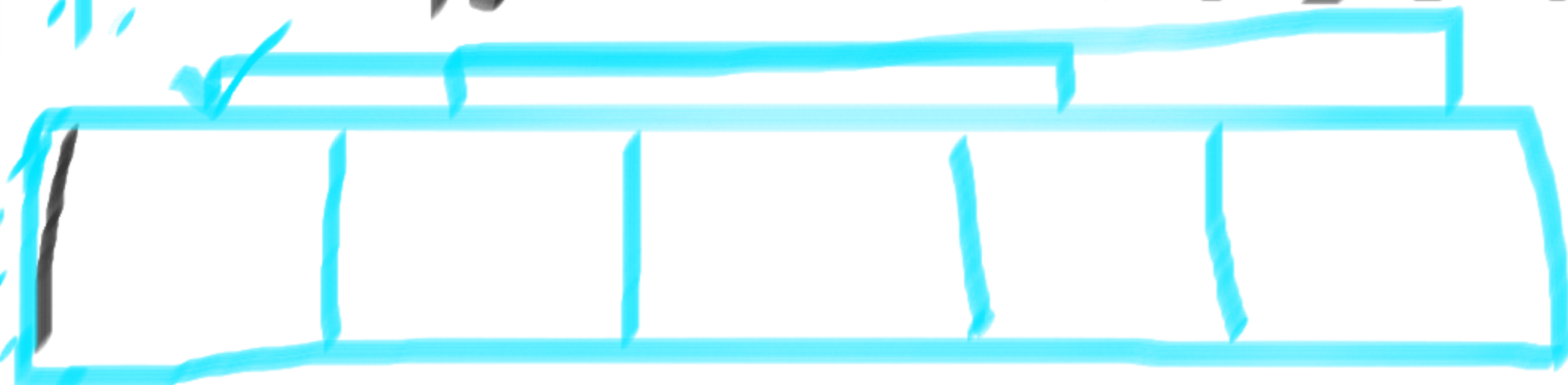


0.20
 4 ✓
 0.15 x

CV



82 ✓
 85 ✓
 81 ✓
 80 ✓
 86 ✓



CV=5

L1

Lasso

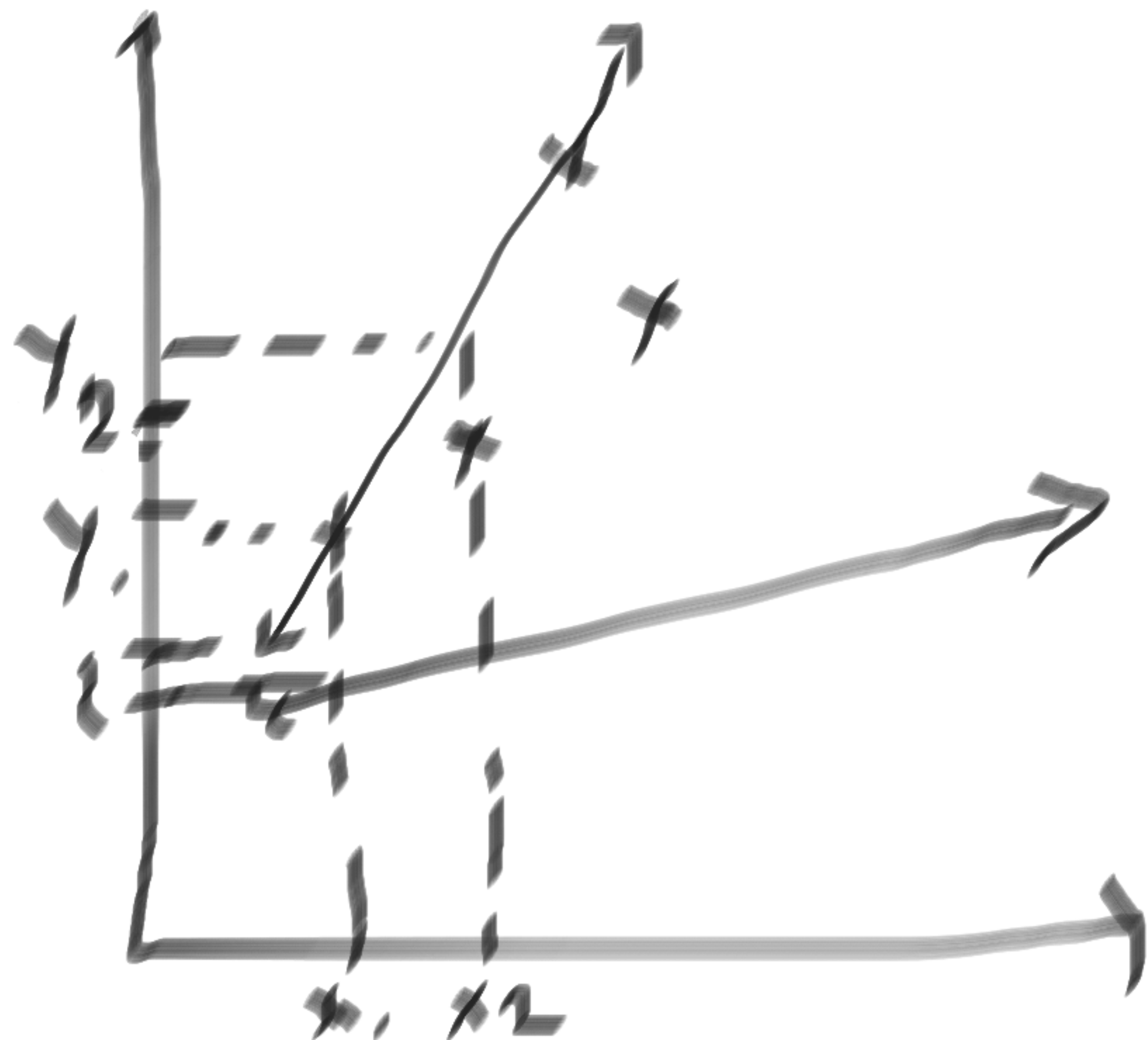
L2

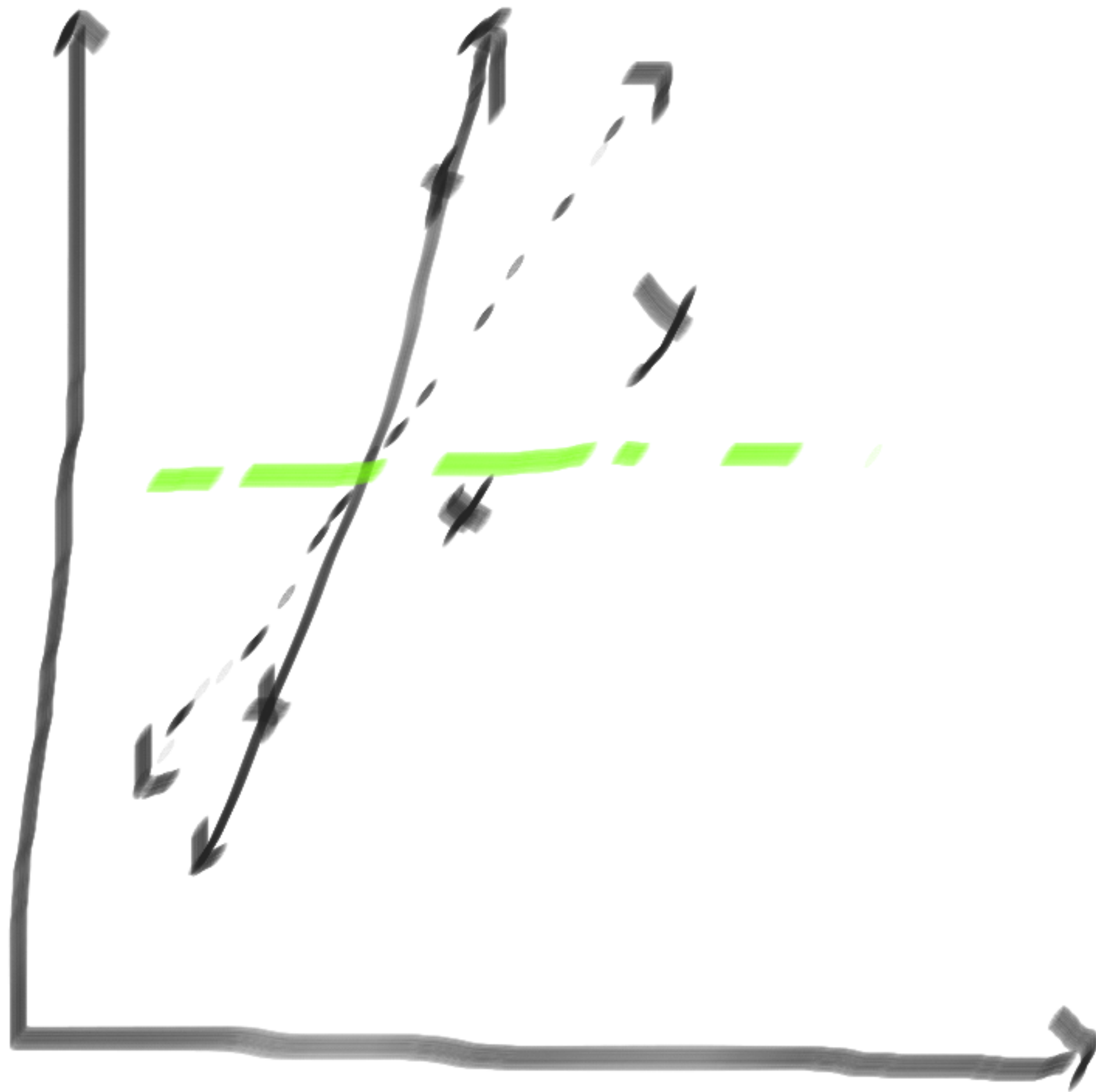
Ridge

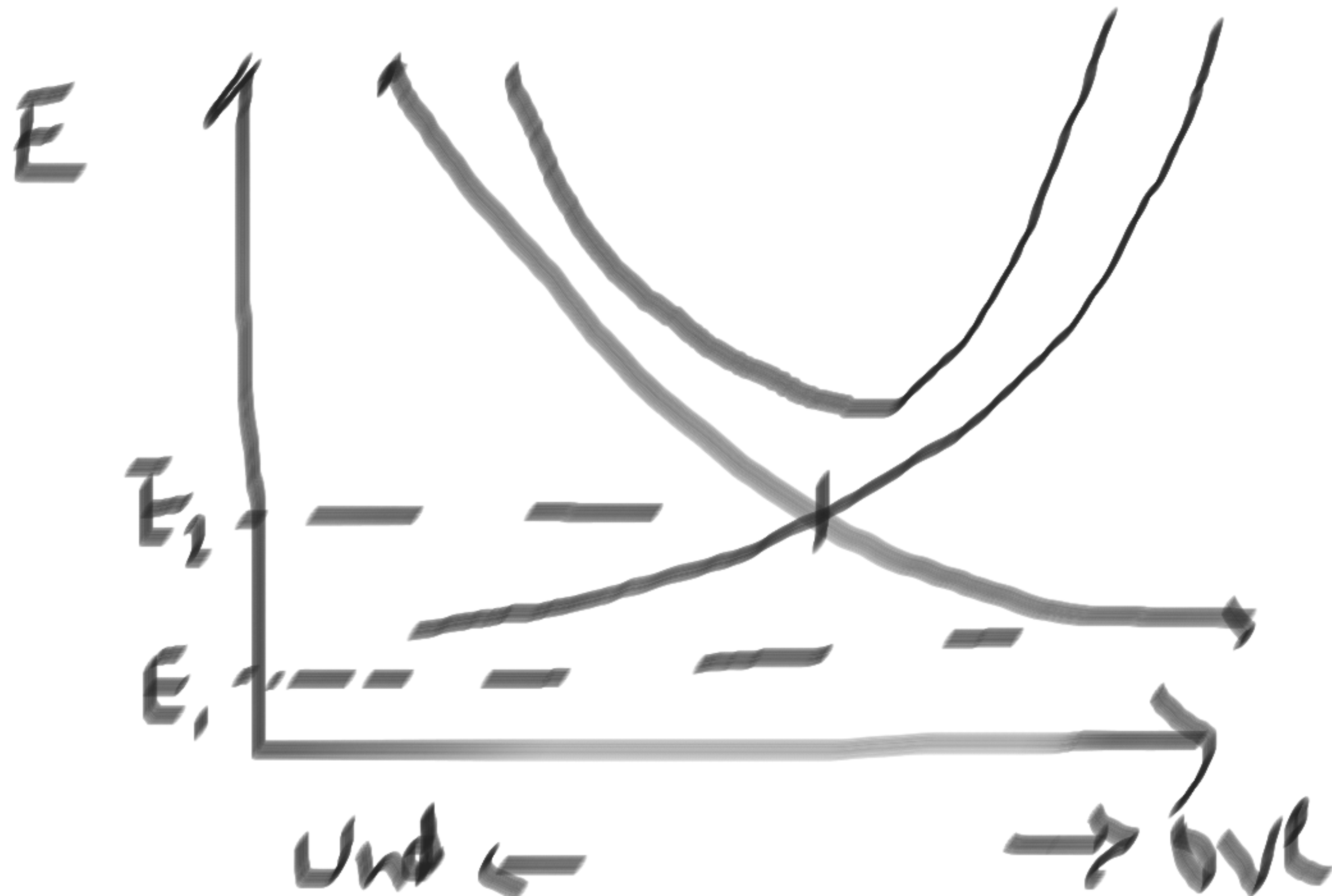
fidge

$$v_{ss} = 0$$









Ridge

$$L = \text{Loss} + \lambda (\text{slope})^2$$

Penalty 2

4

$$= \text{---} + \lambda \times m$$

0 to ∞

0-1

$$+ \lambda \times (w_1^2 + w_2^2 + \dots)$$

0.3

0.09

$$= 0 + 1 \times (2)$$

$$y = mx + c$$

4

0.09

$$= 2$$

LASSO

$$L = \text{Loss} + \lambda \times |\text{slope}| \quad 2$$

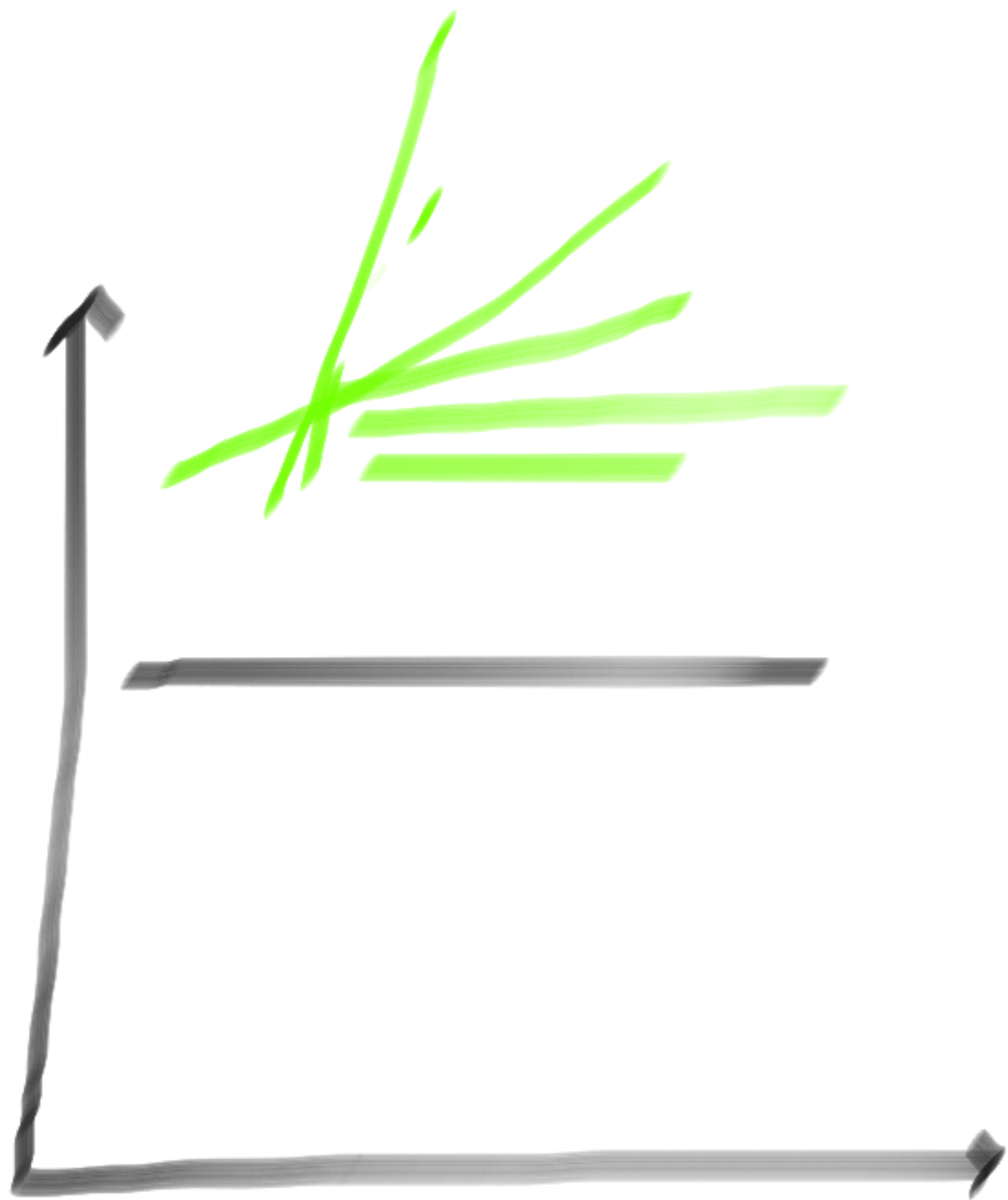
$$= \lambda \times |m|$$

$$\lambda \times |m_1 + m_2 + \dots|$$

$$\text{Lasso} \\ m = 0$$

$$\text{ridge} \\ m \neq 0$$

$$\lambda \times 2 \\ \lambda = 0.3$$



$$y = mx + c$$

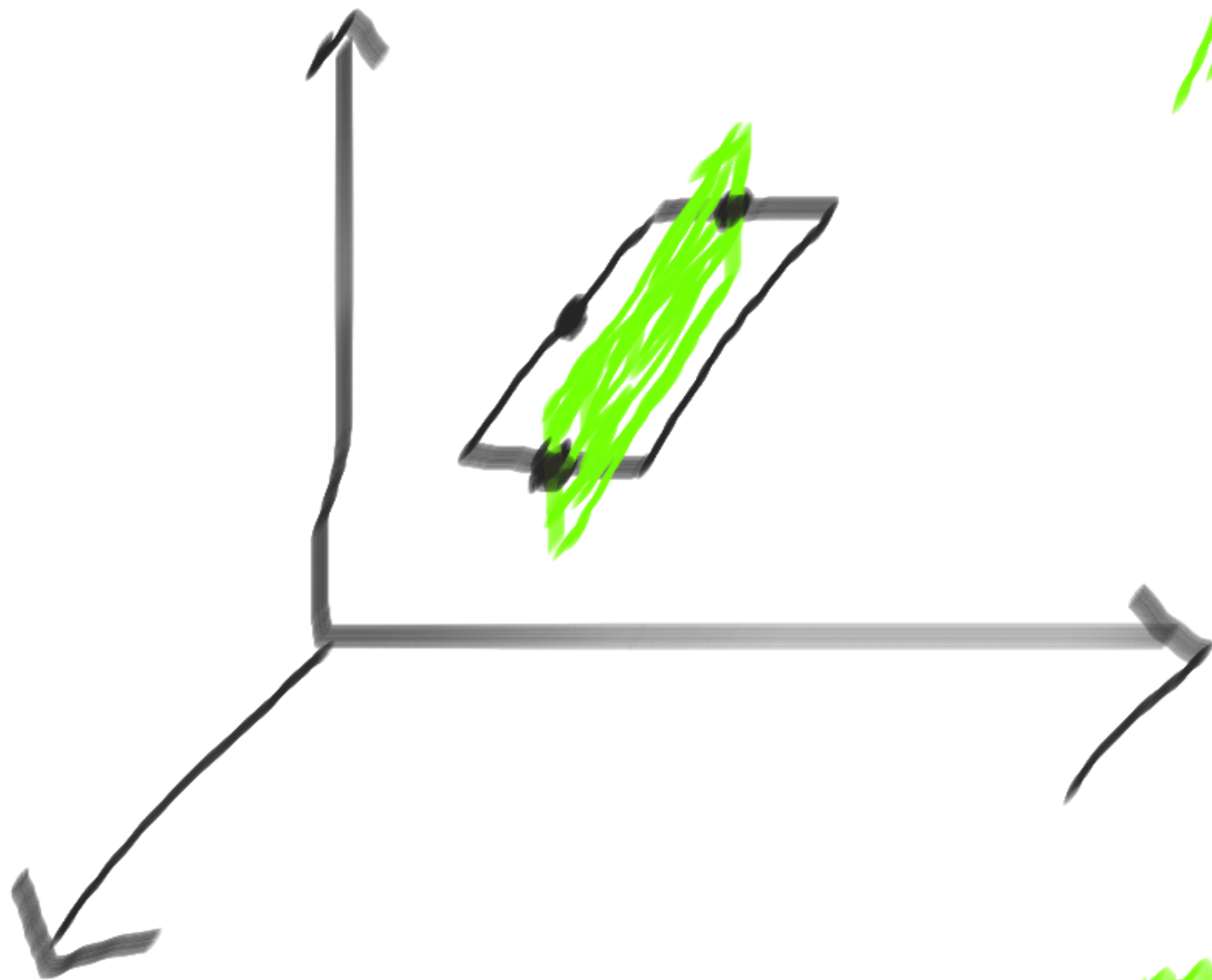
$$10 = 0 + 10$$

$$m = 0.01 \times m$$

$$m_1x_1 + m_2x_2$$

$$+ m_3x_3$$

$$m_1x_1$$



mod 50 }

