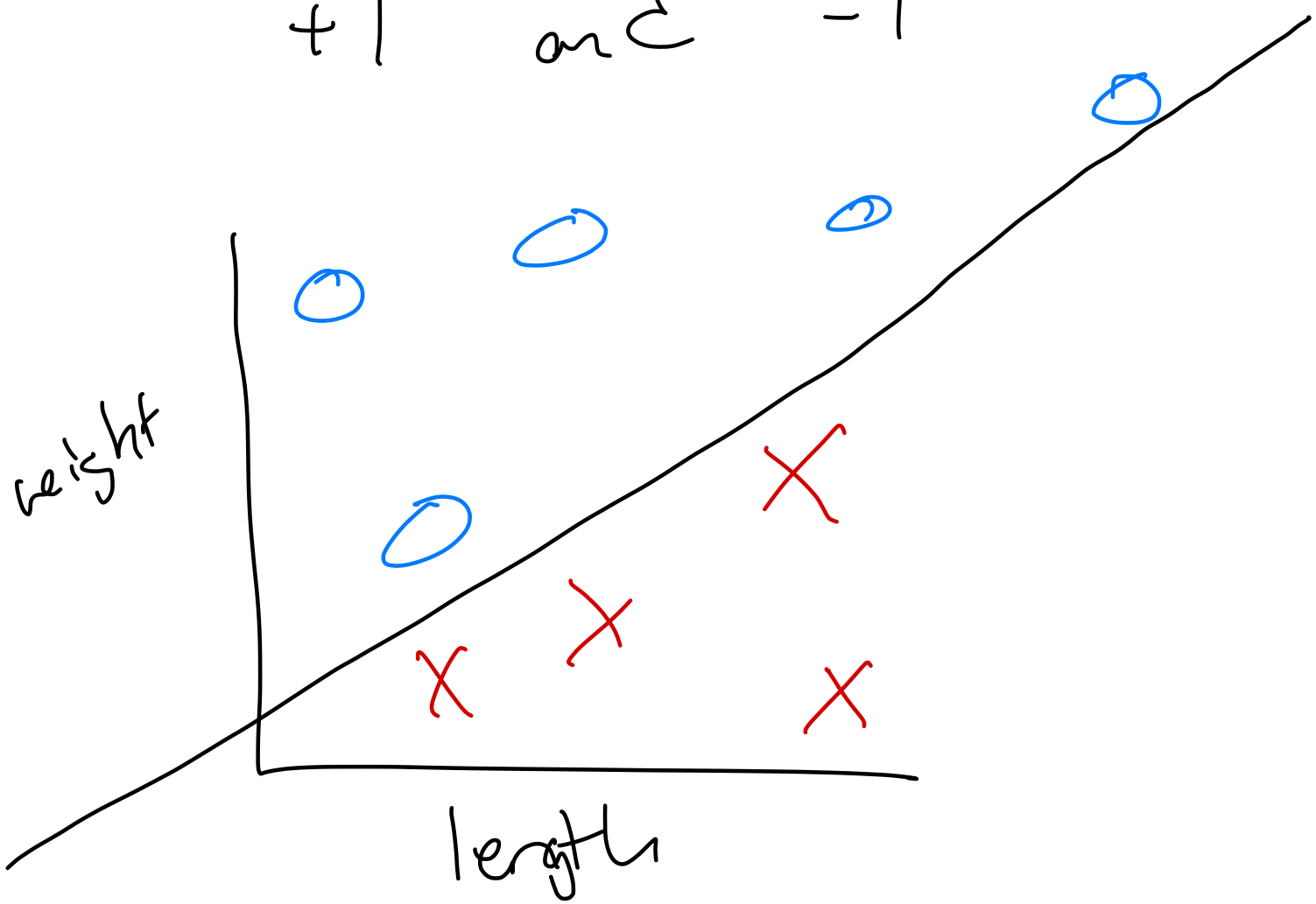
$\text{sign}(\vec{a}^T \vec{x} + b)$

02/07/2023

↳ need classes to be $+1$ and -1



Multiclass with SVM

one vs one:

class 1 vs class 2 → 1

class 1 vs class 3 → 1

class 1 vs class 4 → 1

class 2 vs class 3 → 2

class 2 vs class 4 → 4

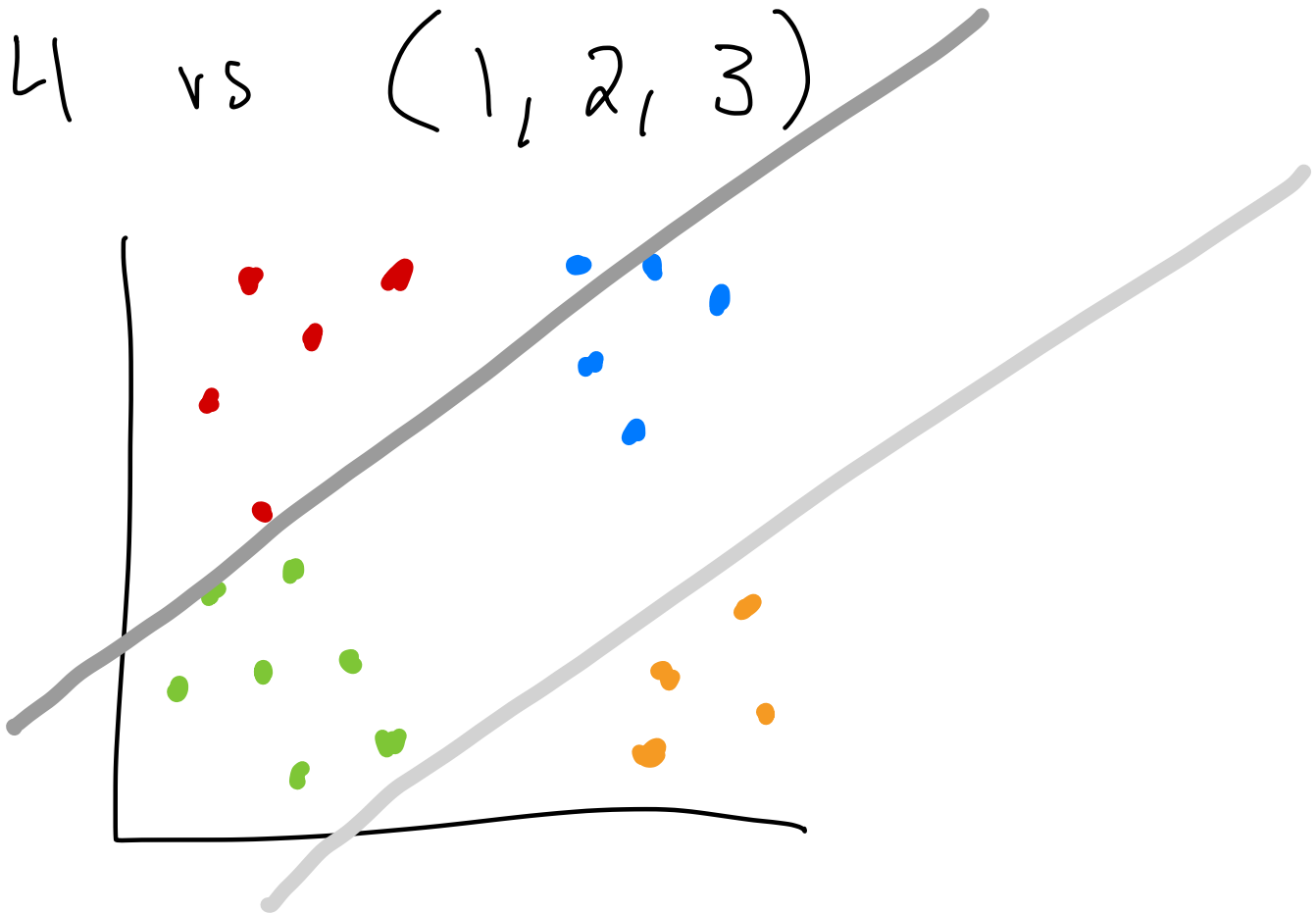
class 3 vs class 4 → 3

- horrible scaling

one vs all

1 vs (2, 3, 4)

2 vs (1, 3, 4)

3 vs (1, 2, 4)

4 vs (1, 2, 3)