1) 2/22/2022

Forward (start,)	weights on a graph ars, dars, (ars, dars, (ars, dars, end
df dend	all gentles can be scalar

Scalars: all genntles can be scalar

Vectors: (start, vector) Inabians - directine derivative

(start, I) - Jacobian

Anythy: (an be operators

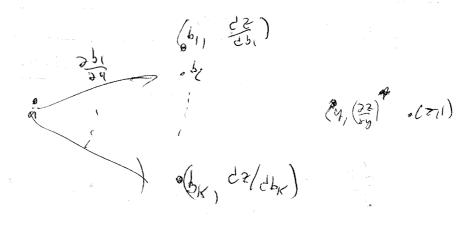
Matrix (vector) + ___ + Matrix (vector)
One directional densative

Motor (Motor) + - - + Motor (Motor)

Jacobian

Corward to get gradient of loss (nx1) (excl., Matra) => gradient

Revere Mace



All scalos

Reede Made looks like this for sentar frot afreches

ON WYX

Many peter trasposas

Constraint: Executing in Saftware

Forward: Run through Program

(2, carr +1) & Synchonus

$$(a, p_1)$$
 b $(a * b, q)$
 (b, p_2) q
 $p_1 \pm 2bq$
 $p_2 + = aq$

Scalar functors e.g.

e PINNA

where is the Minformed" in PINN?

Hooke's Law Example

We suspect all & Ku but not exactly

e.g. "= kn + 00/sht

We'll scrape some data deliberately
Chosen so that boins non-informed can
Never work but being informed does well