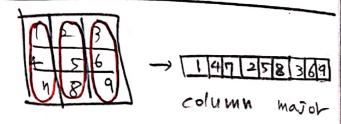
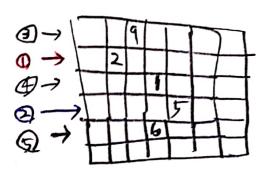
a3.b1 +a4.b3 a3.b2+a4.b4



YOU may store the matrix

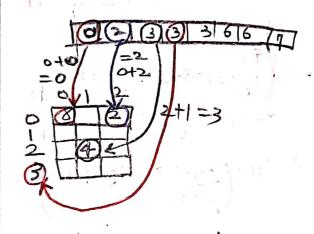
In either row - mojor order

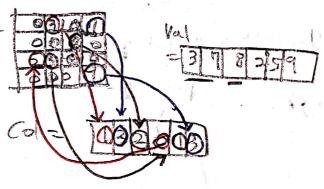
or column -major order.

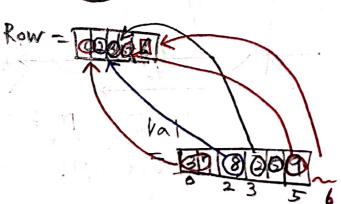


CSR = compressed Sparse Rows.

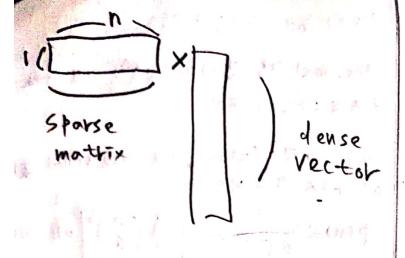
non - zero element and which column indices belong to each row.







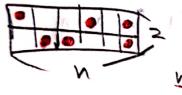
(1)



=) vector -wise operation.

grouping multiple vectors

lead to more humber of wasted < pruning Thitianszation>

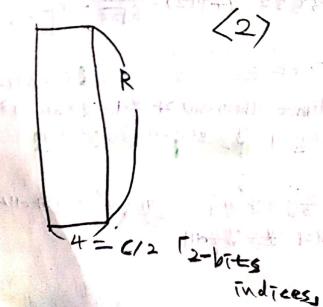


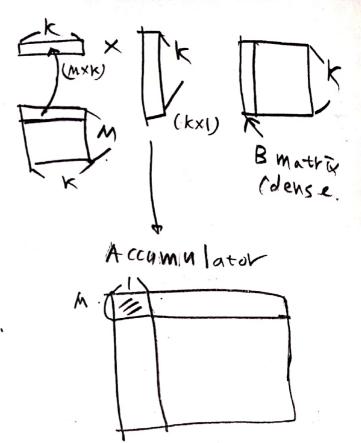
2 YOUP THE

· flx+2474 dense yectory

可型生中 对他 岁日本人

Meta data





trains -> Pruning -> retraining

Folk knowledge multiple vectors. Twithout an initial training 4) The Pruned model cannot be optimized well

of trun model does notgeneralize well

can prune at the initial Stage without performance drop.

Lithere are other methods called Grasp /synflow, but a SNIP persorm best.

layer wise starsity.

taylor approximation

Ho.(8-0)

(e 3

6 3

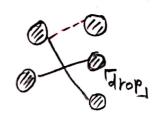
6

F 3

sparse training = Limitation; Peak memory is still the same as dense.

sparsity & schedules

T grow



Sparsiby db => test accuracy.

Pruing

O minimizing the loss

After fruning

D maximizing the re-train ability

(1) =더중요 (예건)

(2) is viewed as the most important decision criterion.