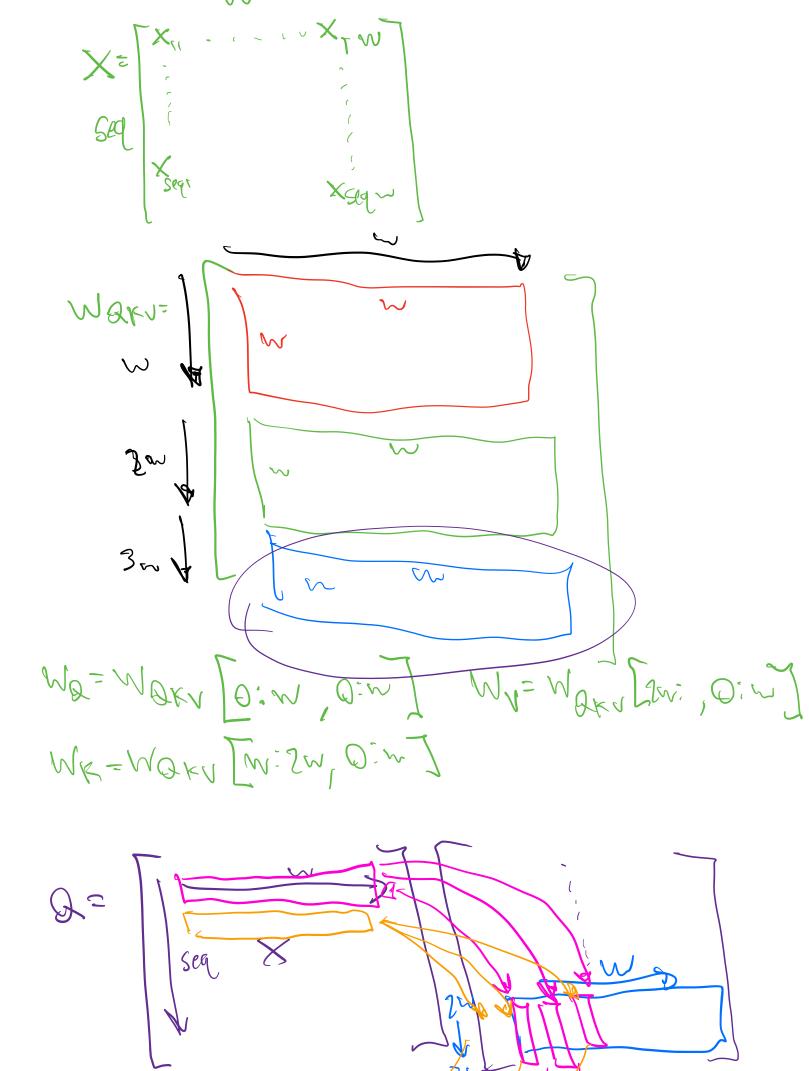
Self affintion X F RNXSXW where N= Batch size S= seq leagers m = might of supegging givingions WOKVER3WXW where 3W is QKV wows w is width-X @ WQKUT E RNX5X3W Es split into QE RNXSKW REPRIXSXW,

Indexing Logic:

Just focus on (S,w) from X and (3w,w)

from Waxv

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Z Xik \* XKi KE[0, wis] or [w, 2w-1] or [2w,3w-1] i E [ o seq] JELO miz for K in range (~): Qii+X[ik]\*W[k,j] Kiit=X[ik]\*Wmki] Vij t= X[i/K \*W[2wtfi]]

for i > seq:

for k > w:

Qist= x[ik]w[ki]

Kist= x[ik]w[ki]

Vist= x[ik]w[kk]

Ill Motation

for ; ; k in T. grid (sea, w, w);

Vi, vi, vk = T. axis. remap (" 555", [sea, w, w]

R[vi, vi] += X[vi, vk] & w[w+vk, v]

V[vi, vi] += X[vi, vk] & w[w+vk, v]

V[vi, vi] += X[vi, vk] & w[w+vk, v]