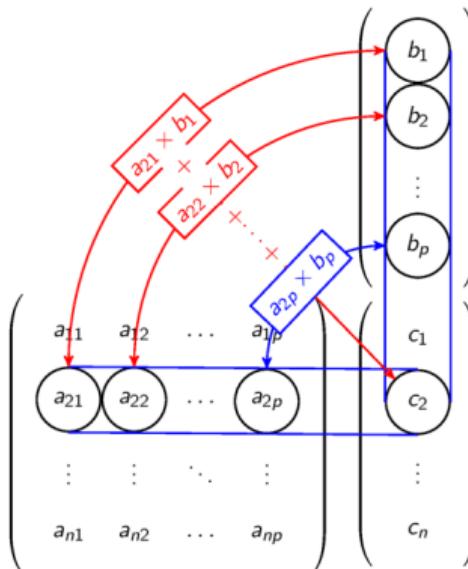


Necessary ingredients:

- (Parallel) Sparse matrix by Vector product;



$A : n \text{ rows } p \text{ columns}$

Note: we also need boundary data exchange and mesh management.