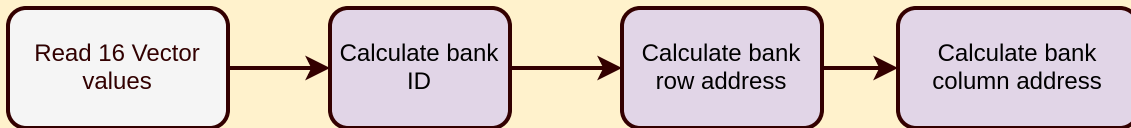
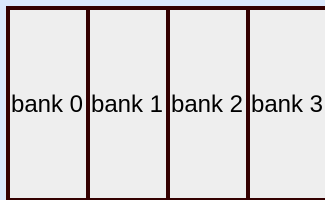


### Vector Writer



### On-Chip Memory

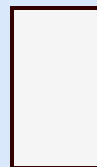
18 bits



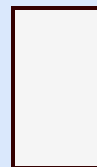
Uram 0



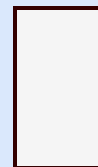
Uram 0



Uram 1



Uram 2



Uram 3

Write 4 values per URAM

### Vector Reader

Read 4 mat payloads

mat payload 0  
col ID

mat payload 1  
col ID

Calculate bank ID

Calculate bank row address

Calculate bank column address

Read 2 vec values