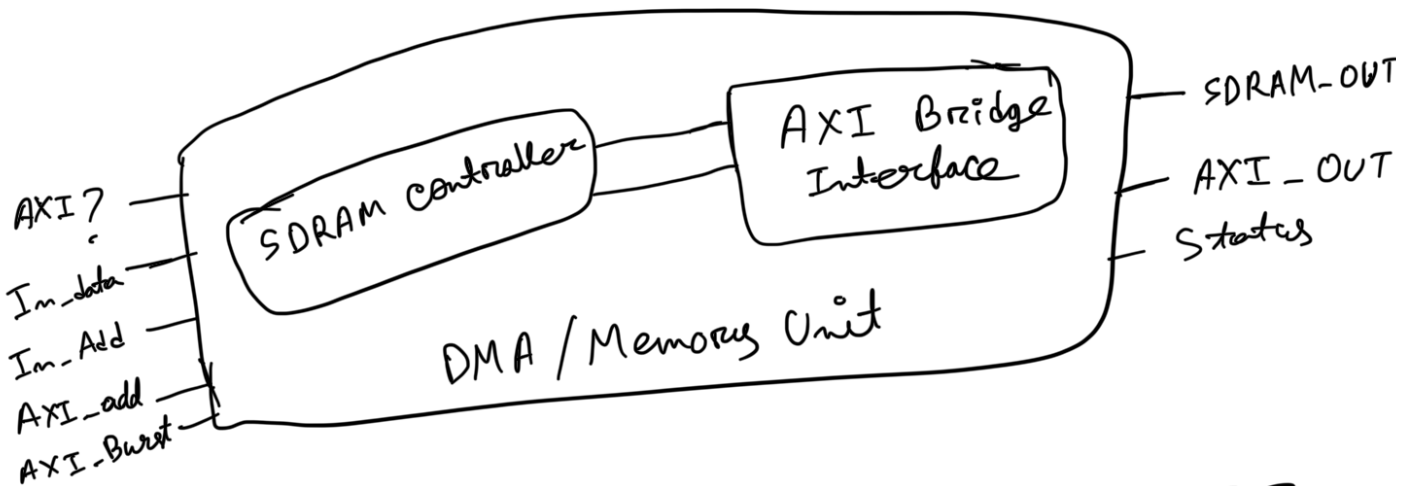
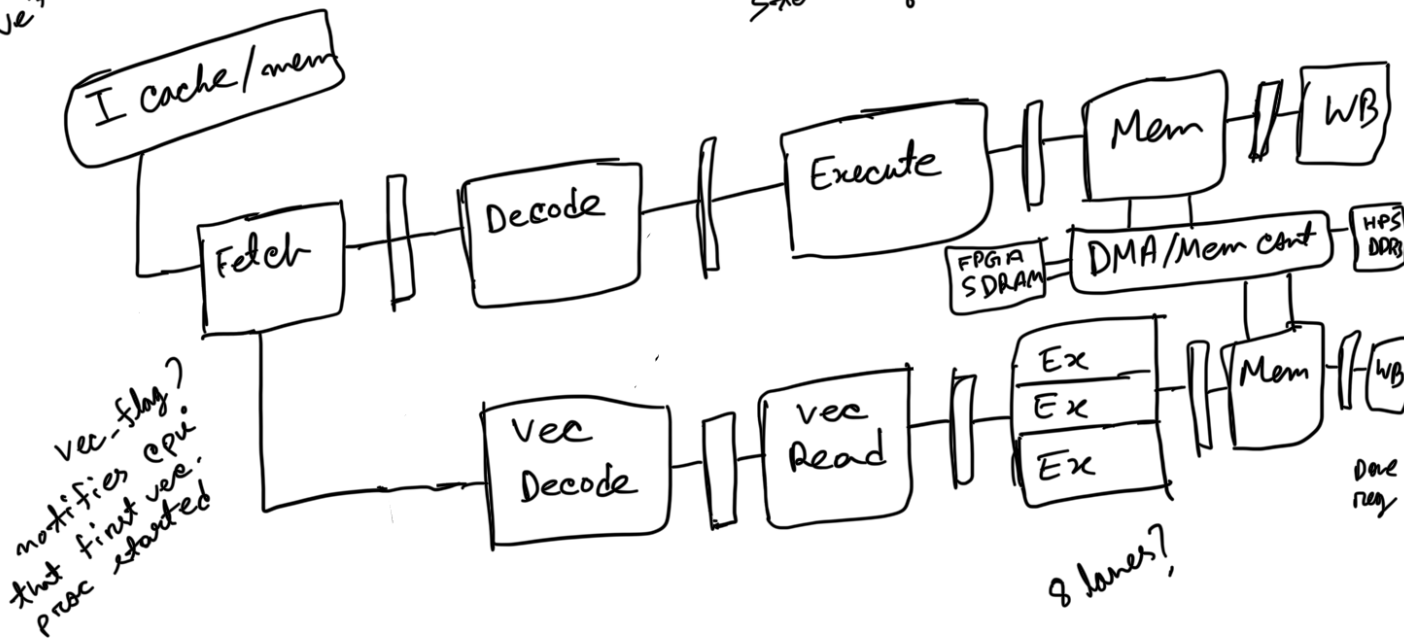


2x2x2x

Stalls...?



**BRAM/GRAM**

Mem-Mapped  
Vector  
Registers

Loads in batch of input data & ai feature during Ex

**SDRAM**

Buffer for audio data.  
Could cache some Ai features too

**HPS DDR3**

Stores AI Features & (Weights / biases)  
Memories mapped by layers

Memory map generated by high level code.