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**ArchMul - Lab 5**

**New snoop machine**

In the new snoop state machine, we use a signal called “*myState*”. This signal is generated from the *TagArray*??? By passing to it the cmdAddr we just have snooped on the bus, and ask it to send back the state (M, S, I) of the line corresponding to the cmdAddr in the *TagArray*???.

We also use a SnoopReg to store the Snooped address and command while doing our instruction. The address and command are red during the snoop and then stored and used to know if a writeback is needed for example.

Also, whenever we want to invalidate some line in the cache (that is, set it to *myState* = I), we copy it into the VictimReg.