There are many solutions to this. As long as you properly generate the output files, you will receive credit.
The following is one of many possible solutions. Do not worry if your solution looks considerably different. We’ll find out if it’s working properly in MP1.
Select this data if attempt to write and read same address

Two instances of cntr_ram.vhd

Good Idea to flop inputs and outputs of Block RAM.

Counter to reset memory contents to zero.

cntr_ready gets set to ‘1’ when this reaches xFF
Part 2: Statistics Counter Timing

Reading event numbers 1, 2, and 3

Read and write to same address caused memory read from data to be invalid