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1



The diagram illustrates a 16-bit bus system. At the top, there are four 4-bit registers, each represented by a horizontal row of four squares. The first and third registers are labeled with a double quote followed by a vertical bar, indicating they are inputs to the bus. The second and fourth registers are labeled with a vertical bar followed by a double quote, indicating they are outputs from the bus. Below these registers is a long horizontal row of 16 squares representing the bus. At the bottom, there are two more 4-bit registers, each represented by a horizontal row of four squares. The first of these is labeled with a double quote followed by a vertical bar, and the second is labeled with a vertical bar followed by a double quote, indicating they are also connected to the bus.

[illegible]

1. 
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2. 

3. 
4. 

5. 


[illegible]

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[illegible][illegible]

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[illegible]



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