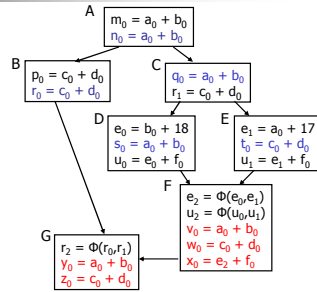


Dominator Value Numbering

- Still looking for a way to handle F and G
- Idea: Use info from $IDom(x)$ to start analysis of x
 - Use C for F and A for G
- Dominator Value Numbering Technique (DVNT)



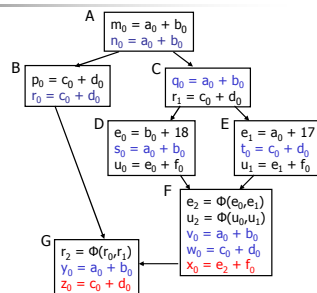
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Dominator Value Numbering

- Advantages**
 - Finds more redundancy
 - Little extra cost
- Shortcomings**
 - Misses some opportunities (common calculations in ancestors that are not IDOMs)
 - Doesn't handle loops or other back edges



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