

# Program analysis with data flow graphs

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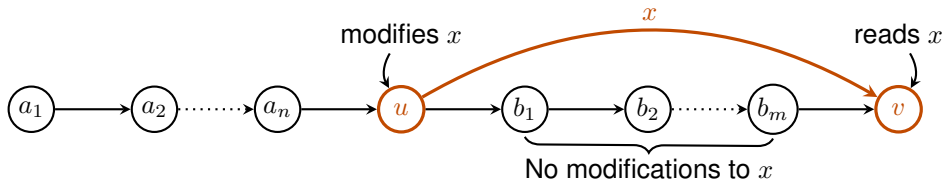
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# Data flow

$u \rightarrow^x v$  must belong to the DFG if there exists some execution



$$u \rightarrow^x v \in \text{DFG} \Rightarrow \text{OUT}(u)|_x \subseteq \text{IN}(v)|_x$$