CS738: Advanced Compiler Optimizations

SSAPRE: Example

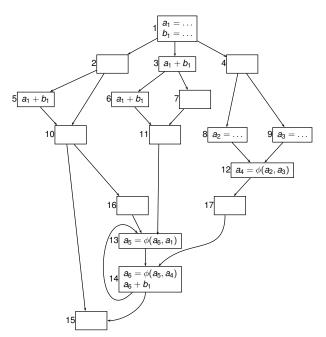
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 $a_1 = \dots$ $b_1 = \dots$ Φ insertion $a_1 + b_1$ $5 a_1 + b_1$ $a_1 + b_1$ $10 h = \Phi(h, h)$ 11 $h = \Phi(h, h)$ 8 $a_2 = ...$ 9 $a_3 = ...$ 12 $a_4 = \phi(a_2, a_3)$ $h = \Phi(h, h)$ 17 16 13 $a_5 = \phi(a_6, a_1)$ $h = \Phi(h, h, h)$ $a_6=\phi(a_5,a_4)$ 14 $h = \Phi(h, h)$ $a_6 + b_1$

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Rename

