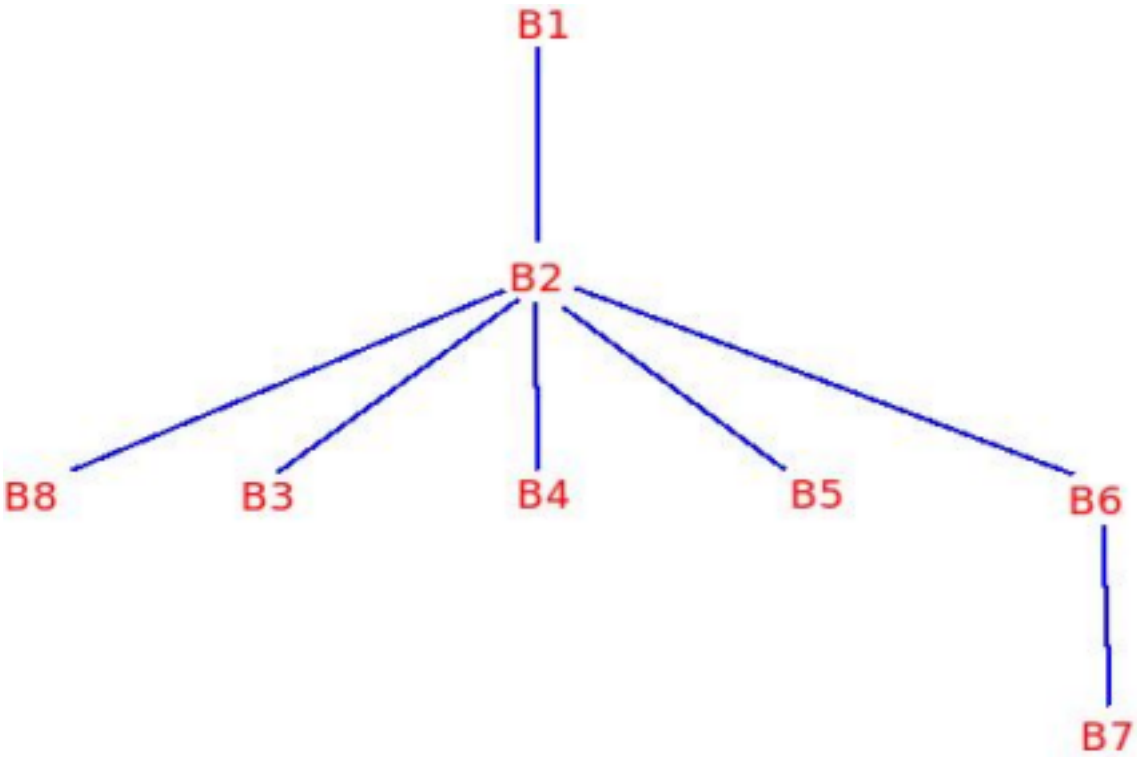
Solution 1

BB	Dominator	S.Dominator	I.Dominator
B1	B1	ϕ	ϕ
B2	B1, B2	B1	B1
B3	B1, B2, B3	B1, B2	B2
B4	B1, B2, B4	B1, B2	B2
B5	B1, B2, B5	B1, B2	B2
B6	B1, B2, B6	B1, B2	B2
B7	B1, B2, B6, B7	B1, B2, B6	B6
B8	B1, B2, B8	B1, B2	B2



Solution 2

BB	Dominance Frontier
B1	ϕ
B2	ϕ
B3	B5, B6
B4	B5, B6
B5	B3, B8
B6	B8
B7	B8
B8	ϕ

Solution 3

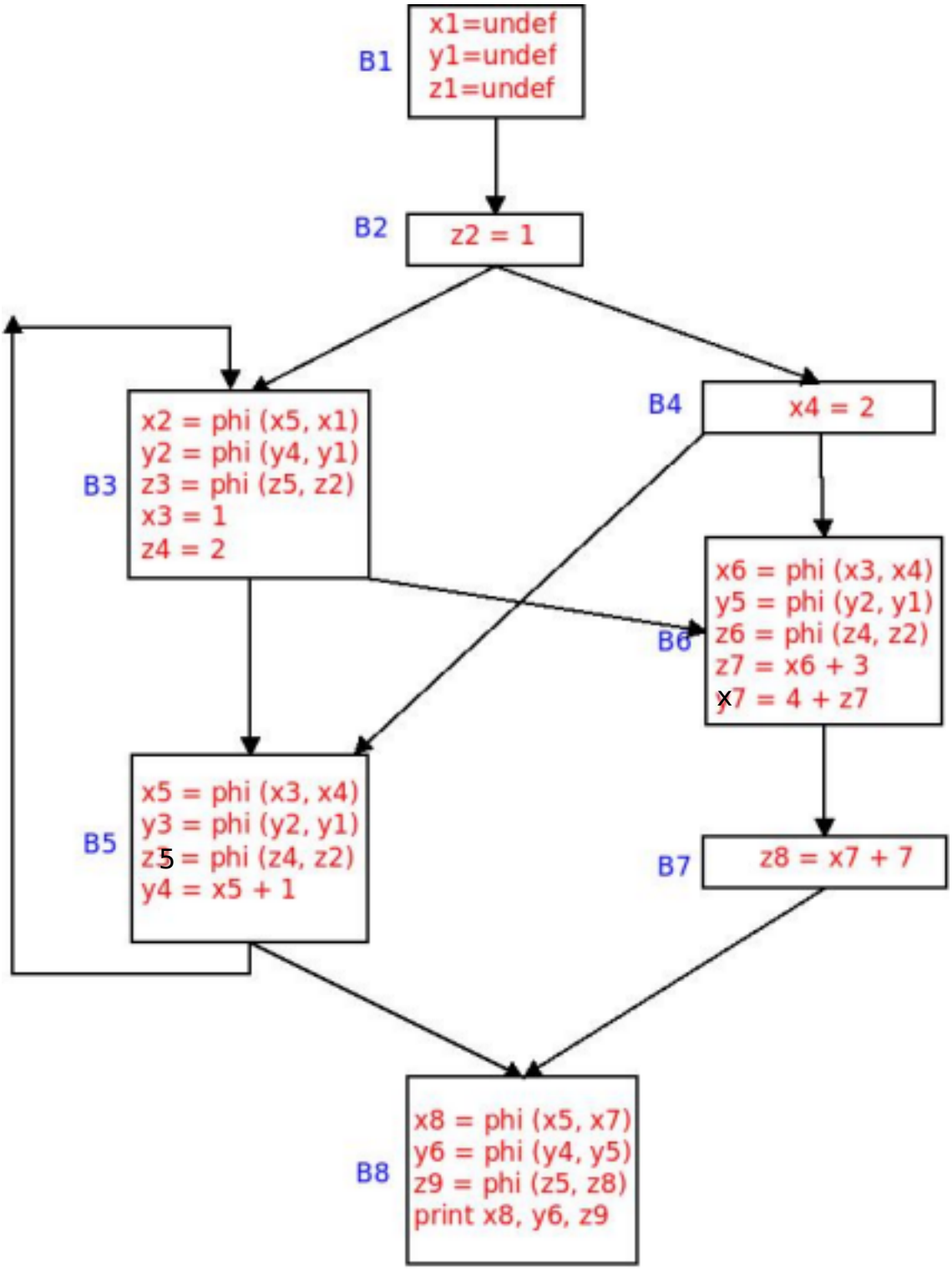
$def(x) = \{B1, B3, B4, B6\}$
$def(y) = \{B1, B5\}$
$def(z) = \{B1, B2, B3, B6, B7\}$

$DF(x) = \{B5, B6, B8\}$
$DF^1(x) = \{B3, B8\}$
$DF^2(x) = DF\{B3, B5, B6, B8\} = \{B3, B5, B6, B8\}$

$DF(y) = \{B3, B8\}$
$DF^1(y) = \{B5, B6\}$
$DF^2(y) = DF\{B3, B5, B6, B8\} = \{B3, B5, B6, B8\}$

$DF(z) = \{B5, B6, B8\}$
$DF^1(z) = \{B3, B8\}$
$DF^2(z) = DF\{B3, B5, B6, B8\} = \{B3, B5, B6, B8\}$

Solution 4


B1
x1=undef
y1=undef
z1=undef
B2
z2 = 1
B3
x2 = phi (x5, x1)
y2 = phi (y4, y1)
z3 = phi (z5, z2)
x3 = 1
z4 = 2
B4
x4 = 2
B5
x5 = phi (x3, x4)
y3 = phi (y2, y1)
z5 = phi (z4, z2)
y4 = x5 + 1
B6
x6 = phi (x3, x4)
y5 = phi (y2, y1)
z6 = phi (z4, z2)
z7 = x6 + 3
x7 = 4 + z7
B7
z8 = x7 + 7
B8
x8 = phi (x5, x7)
y6 = phi (y4, y5)
z9 = phi (z5, z8)
print x8, y6, z9