## Very Bosy Expressions

Domain: Set of all expressions

Direction: Meet Operator:

Beckwards 
$$\begin{cases} in[b] = f_b(out[b]) \\ out[b] = \bigcap_{s \in Succ(b)} in[s] \end{cases}$$

Transfer . Function

$$f_b(x) = Gen[b] U(x \setminus Kill[b])$$

Boundary Conditions' Initial Interior. Points

$$in[exit] = \emptyset$$

For each instruction ; of the form this expr

We have

Kill[i] = {any expression e | 7 operand e; of e s.t. e; = lhs}

Gen[i] = {expr}

BB1 entry					
BB2 (a!=b)?					
B5 y=b-a					
a=0					
x=a-b					
t -					

		Iteration 1		Iteration 2
1	b	IN[b]	OUT[b]	
-	1		b-a	
	2	b-a	b-a	
	3	b-a, a-b	a-b	
	4	a-b	Ø	Unchanged
1	5	b-a, 0	0	
-	6	0	a-b	
	7	a-b	Ø	
	8	Ø		