



Reverse Engineering Liam O'Brien April 2005

© 2005 by Carnegie Mellon University









Reverse Engineering Liam O'Brien April 2005

















Reverse Engineering Liam O'Brien April 2005























n	statement	refs(n)	defs(n)	relevant(n)
1	b = 1		b	
2	c = 2		с	b
3	d = 3		d	b,c
4	a = d	d	а	b,c
5	d = b + d	b,d	d	b,c
6	b = b + 1	b	b	b,c
7	a = b + c	b,c	а	b,c
8	print a	а		а



4		1613(11)		0011101(11)	relevant(n)
1	D = 1		D		h
2	C = ∠ d = 2		c d		u d
3	u = 3 a = d	d	a 2		b,c
5	a = u if (a) then	u	a		b,c,u abcd
6	d = b + d	a h d	Ь	5	a,b,c,u h d
7	c = b + d	b,d	c	5	b,d
8	else	5,4	Ŭ	5	b.c
9	b = b + 1	b	b	8	b,c
10	d = b + 1	b	d	8	b,c
11	endif				b,c
12	a = b + c	b,c	а		b,c
13	print a	а			а



	Dreaman Olising Flaw Orank 0										
P	Program Slicing – Flow Graph - 8										
Lo	pop Example	9:									
n	statement	refs(n)	defs(n)	control(n)	relevant(n)	relevant(n)					
					Iter 1	Iter 2					
1	b = 1		b								
2	c = 2		с			b					
3	d = 5		d			b,c					
4	a = 3		а			b,c					
5	While (a < 10)	а			a,b,c	a,b,c					
6	b = b + c	b,c	b	5	b,c	b,c					
7	c = c + 1	С	с	5	b	b,c					
8	a = b	b	а	5	b	b,c					
9	EndWhile			5	а						
10	print a	а			а						
	•			•							
CI	ico on -1(1 22. 10	87	6 5 / 4	2 11						





























































