





























Acce	ss Mat	rix w	ith C	Copy F	Rights
	object domain	F ₁	F ₂	F ₃	
	<i>D</i> ₁	execute		write*	
	D ₂	execute	read*	execute	
	<i>D</i> ₃	execute			
		(a)			
	object domain	F ₁	F ₂	F ₃	
	D ₁	execute		write*	
	D ₂	execute	read*	execute	
	D ₃	execute	read		
		(b)			
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Modifi	ed A	Acc	ess	Mat	trix	of I	Figu	ire]	B
object domain	F ₁	F ₂	F ₃	laser printer	D ₁	D ₂	<i>D</i> ₃	<i>D</i> ₄	
<i>D</i> ₁	read		read			switch			
D ₂				print			switch	switch control	
<i>D</i> ₃		read	execute						
<i>D</i> ₄	write		write		switch				
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protection domain:	untrusted applet	URL loader	networking
socket permission:	none	*.lucent.com:80, connect	any
class:	gui: get(url); open(addr);	get(URL u): doPrivileged { open('proxy.lucent.com:80'); } <request from="" proxy="" u=""> </request>	open(Addr a): checkPermissior (a, connect); connect (a);



















C Program with Buffer-overflow Condition



35



























Sequenc			
system call	distance = 1	distance = 2	distance = 3
open	read getrlimit	mmap	mmap close
read	mmap	mmap	open
mmap	mmap open close	open getrlimit	getrlimit mmap
getrlimit	mmap	close	
close			



































































