	x: esp+48	esp+48: symX
		esp+44: symY
foo()		
{	L0:	L0:
int A[10], x,y;	1 FOO= alloca i32,48	1 FOO= alloca i32,48
x = read-from-file();	2 ebx1 = read_from_file()	2 ebx1 = read_from_file()
y= read-from-file();	3 store ebx1, 48(FOO) //store x	3 symX=ebx1
	4 ebx2 = read_from_file()	4 ebx2 = read_from_file()
if(x<10)	5 store ebx2, 44(FOO) //store y	5 symY = ebx2
{ ` ` `	, , ,	,
A[x] = 30;	6 ebx3 = load 48(FOO) //load x	6 ebx3= symX
}	7 if(ebx3>=10), jmp L2:	7 if(ebx3>=10), jmp L2:
if(y>20)		
\	L1:	L1:
return;	8 store \$30, FOO[4*ebx3]	8 store \$30, FOO[4*ebx3]
} `		
·	L2:	L2:
}	9 eax = load 44(FOO) //load y	9 eax = symY
,	10 if(eax<=20) jmp L3	10 if(eax<=20) jmp L3
	return	return
	L3:	L3:
a) Original Code	b) IR without symbol promotion	c) IR with symbol promotion