

entry:
%retval = alloca i32, align 4
%a1 = alloca i32, align 4
%b = alloca i32, align 4
%c = alloca i32, align 4
%i = alloca i32, align 4
store i32 0, i32* %retval, align 4
store i32 0, i32* %i, align 4
br label %while.cond

while.cond:
%0 = load i32, i32* %i, align 4
%cmp = icmp slt i32 %0, 2
br i1 %cmp, label %while.body, label %while.end

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while.body:
%1 = load i32, i32* %a1, align 4
%cmp1 = icmp sgt i32 %1, 0
br i1 %cmp1, label %if.then, label %if.else

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if.then:
store i32 7, i32* %b, align 4
store i32 -1, i32* %a1, align 4
br label %if.end

if.else:
store i32 12, i32* %c, align 4
br label %if.end

if.end:
%2 = load i32, i32* %i, align 4
%inc = add nsw i32 %2, 1
store i32 %inc, i32* %i, align 4
br label %while.cond

while.end:
%3 = load i32, i32* %retval, align 4
ret i32 %3

CFG for 'main' function