```
%0:
             %pgocount = load i64, ptr @_profc_main, align 8
             %1 = add i64 \%pgocount, 1
             store i64 %1, ptr @_profc_main, align 8
             %2 = alloca i32, align 4
             %3 = alloca [10 \times i32], align 16
             %4 = alloca i32, align 4
             %5 = alloca i32, align 4
             store i32 0, ptr %2, align 4
             store i32 5, ptr %4, align 4
             store i32 3, ptr %5, align 4
             \%6 = \text{load i32}, \text{ ptr \%5}, \text{ align 4}
             \%7 = \text{sext i} 32 \%6 \text{ to i} 64
             br i1 false, label %ifBlock, label %split
                         Т
                                                      F
   ifBlock:
   %18 = \text{call i32 (ptr, ...) @printf(ptr @str)}
   br label %split
                 split:
                 br i1 false, label %ifBlock2, label %split1
                           Τ
                                                   F
 ifBlock2:
  %19 = \text{call i32 (ptr, ...) @printf(ptr @str.1)}
  br label %split1
                  split1:
                  %8 = icmp slt i64 \%7, 0
                  br i1 %8, label %ifBlock4, label %split3
                                                  F
 ifBlock4:
  %20 = call i32 (ptr, ...) @printf(ptr @str.2)
  br label %split3
                  split3:
                  %9 = icmp slt i64 9, %7
                  br i1 %9, label %ifBlock6, label %split5
                           Т
                                                  F
 ifBlock6:
  %21 = call i32 (ptr, ...) @printf(ptr @str.3)
  br label %split5
    split5:
     %10 = getelementptr inbounds [10 x i32], ptr %3, i64 0, i64 %7
     %11 = load i32, ptr %10, align 4
     %12 = add nsw i32 %11, 2
     %13 = load i32, ptr %4, align 4
%14 = sext i32 %13 to i64
     br i1 false, label %ifBlock8, label %split7
                                                         F
ifBlock8:
%22 = call i32 (ptr, ...) @printf(ptr @str.4)
br label %split7
              split7:
               br i1 false, label %ifBlock10, label %split9
                         Τ
                                                 F
ifBlock10:
%23 = call i32 (ptr, ...) @printf(ptr @str.5)
br label %split9
              split9:
              %15 = icmp slt i64 %14, 0
              br i1 %15, label %ifBlock12, label %split11
ifBlock12:
%24 = call i32 (ptr, ...) @printf(ptr @str.6)
br label %split11
              split11:
              %16 = icmp slt i64 9, %14
              br i1 %16, label %ifBlock14, label %split13
                        Т
                                                  F
ifBlock14:
%25 = call i32 (ptr, ...) @printf(ptr @str.7)
br label %split13
  split13:
  %17 = getelementptr inbounds [10 x i32], ptr %3, i64 0, i64 %14
```

CFG for 'main' function

store i32 %12, ptr %17, align 4

ret i32 0