```
entry:
                                           %i = alloca i32, align 4
                                           store i32 0, i32* %i, align 4
                                           br label %for.cond4.preheader
                  for.cond4.preheader:
                  %tot.112 = phi i32 [ 0, %entry ], [ %conv13.4.4,
                  ... % for.cond4.preheader.backedge ]
                  %j.011 = phi i32 [ 0, %entry ], [ %j.011.be, %for.cond4.preheader.backedge ]
                  %call = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds ([3 x
                  ... i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%0 = load double, double* getelementptr inbounds ([5 x [5 x double]], [5 x
                  ... [5 x double]]* @array, i64 0, i64 0, i64 0), align 16
                  % mul = fmul double %0, 0.000000e+00
                  %conv12 = sitofp i32 %tot.112 to double
                  %add = fadd double %mul, %conv12
                  %conv13 = fptosi double %add to i32
                  %call.1 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds ([3
                  ... x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%1 = \text{load double}, \text{ double}^* \text{ getelementptr inbounds } ([5 \times [5 \times \text{ double}]], [5 \times \text{ double}])
                  ... [5 x double]]* @array, i64 0, i64 0, i64 1), align 8
                  %mul.1 = fmul double %1, 0.000000e+00
                  %conv12.1 = sitofp i32 %conv13 to double
                  %add.1 = fadd double %mul.1, %conv12.1
                  %conv13.1 = fptosi double %add.1 to i32
                  %call.2 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds ([3
                  ... x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%2 = load double, double* getelementptr inbounds ([5 x [5 x double]], [5 x
                  ... [5 x double]]* @array, i64 0, i64 0, i64 2), align 16
                  %mul.2 = fmul double %2, 0.000000e+00
                  %conv12.2 = sitofp i32 %conv13.1 to double
                  %add.2 = fadd double %mul.2, %conv12.2
                  %conv13.2 = fptosi double %add.2 to i32
                  %call.3 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds ([3
                  ... x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%3 = load double, double* getelementptr inbounds ([5 x [5 x double]], [5 x
                  ... [5 x double]]* @array, i64 0, i64 0, i64 3), align 8
                  %mul.3 = fmul double %3, 0.000000e+00
                  %conv12.3 = sitofp i32 %conv13.2 to double
                  %add.3 = fadd double %mul.3, %conv12.3
                  %conv13.3 = fptosi double %add.3 to i32
                  %call.4 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds ([3
                  ... x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%4 = load double, double* getelementptr inbounds ([5 x [5 x double]], [5 x
                  ... [5 x double]]* @array, i64 0, i64 0, i64 4), align 16
                  %mul.4 = fmul double %4, 0.000000e+00
                  %conv12.4 = sitofp i32 %conv13.3 to double
                  %add.4 = fadd double %mul.4, %conv12.4
                  %conv13.4 = fptosi double %add.4 to i32
                  %call.114 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%5 = load double, double* getelementptr inbounds ([5 x [5 x double]], [5 x
                  ... [5 x double]]* @array, i64 0, i64 1, i64 0), align 8
                  %mul.116 = fmul double %5, 0.000000e+00
                  %conv12.117 = sitofp i32 %conv13.4 to double
                  %add.118 = fadd double %mul.116, %conv12.117
                  %conv13.119 = fptosi double %add.118 to i32
                  %call.1.1 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%6 = load double, double* getelementptr inbounds ([5 x [5 x double]], [5 x
                  ... [5 x double]]* @array, i64 0, i64 1, i64 1), align 8
                  %mul.1.1 = fmul double %6, 0.000000e+00
                  %conv12.1.1 = sitofp i32 %conv13.119 to double
                  %add.1.1 = fadd double %mul.1.1, %conv12.1.1
                  %conv13.1.1 = fptosi double %add.1.1 to i32
                  %call.2.1 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%7 = \text{load double}, \text{ double}^* \text{ getelementptr inbounds } ([5 \text{ x } [5 \text{ x double}]], [5 \text{ x}])
                  ... [5 x double]]* @array, i64 0, i64 1, i64 2), align 8
                  %mul.2.1 = fmul double %7, 0.000000e+00
                  %conv12.2.1 = sitofp i32 %conv13.1.1 to double
                  %add.2.1 = fadd double %mul.2.1, %conv12.2.1
                  %conv13.2.1 = fptosi double %add.2.1 to i32
                  %call.3.1 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%8 = \text{load double}, \text{ double}^* \text{ getelementptr inbounds } ([5 \times [5 \times \text{ double}]], [5 \times \text{ double}])
                  ... [5 x double]]* @array, i64 0, i64 1, i64 3), align 8
                  %mul.3.1 = fmul double %8, 0.000000e+00
                  %conv12.3.1 = sitofp i32 %conv13.2.1 to double
                  %add.3.1 = fadd double %mul.3.1, %conv12.3.1
                  %conv13.3.1 = fptosi double %add.3.1 to i32
                  %call.4.1 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%9 = \text{load double}, \text{ double}^* \text{ getelementptr inbounds } ([5 \times [5 \times \text{ double}]], [5 \times \text{ double}])
                  ... [5 x double]]* @array, i64 0, i64 1, i64 4), align 8
                  %mul.4.1 = fmul double %9, 0.000000e+00
                  %conv12.4.1 = sitofp i32 %conv13.3.1 to double
                  %add.4.1 = fadd double %mul.4.1, %conv12.4.1
                  %conv13.4.1 = fptosi double %add.4.1 to i32
                  %call.220 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%10 = \text{load double}, \text{ double* getelementptr inbounds ([5 x [5 x double]], [5 x])}
                  ... [5 x double]]* @array, i64 0, i64 2, i64 0), align 16
                  %mul.222 = fmul double %10, 0.000000e+00
                  %conv12.223 = sitofp i32 %conv13.4.1 to double
                  %add.224 = fadd double %mul.222, %conv12.223
                  %conv13.225 = fptosi double %add.224 to i32
                  %call.1.2 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  %11 = load double, double* getelementptr inbounds ([5 x [5 x double]], [5 x
                  ... [5 x double]]* @array, i64 0, i64 2, i64 1), align 8
                  %mul.1.2 = fmul double %11, 0.000000e+00
                  %conv12.1.2 = sitofp i32 %conv13.225 to double
                  %add.1.2 = fadd double %mul.1.2, %conv12.1.2
                  %conv13.1.2 = fptosi double %add.1.2 to i32
                  %call.2.2 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%12 = \text{load double}, \text{ double* getelementptr inbounds ([5 x [5 x double]], [5 x])}
                  ... [5 x double]]* @array, i64 0, i64 2, i64 2), align 16
                  %mul.2.2 = fmul double %12, 0.000000e+00
                  %conv12.2.2 = sitofp i32 %conv13.1.2 to double
                  %add.2.2 = fadd double %mul.2.2, %conv12.2.2
                  %conv13.2.2 = fptosi double %add.2.2 to i32
                  %call.3.2 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%13 = \text{load double}, \text{ double* getelementptr inbounds ([5 x [5 x double]], [5 x])}
                  ... [5 x double]]* @array, i64 0, i64 2, i64 3), align 8
                  %mul.3.2 = fmul double %13, 0.000000e+00
                  %conv12.3.2 = sitofp i32 %conv13.2.2 to double
                  %add.3.2 = fadd double %mul.3.2, %conv12.3.2
                  %conv13.3.2 = fptosi double %add.3.2 to i32
                  %call.4.2 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \% 14 = \text{load double}, \text{ double* getelementptr inbounds ([5 x [5 x double]], [5 x])}
                  ... [5 x double]]* @array, i64 0, i64 2, i64 4), align 16
                  %mul.4.2 = fmul double %14, 0.000000e+00
                  %conv12.4.2 = sitofp i32 %conv13.3.2 to double
                  %add.4.2 = fadd double %mul.4.2, %conv12.4.2
                  %conv13.4.2 = fptosi double %add.4.2 to i32
                  %call.326 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%15 = \text{load double}, \text{ double* getelementptr inbounds ([5 x [5 x double]], [5 x])}
                  ... [5 x double]]* @array, i64 0, i64 3, i64 0), align 8
                  %mul.328 = fmul double %15, 0.000000e+00
                  %conv12.329 = sitofp i32 %conv13.4.2 to double
                  %add.330 = fadd double %mul.328, %conv12.329
                  %conv13.331 = fptosi double %add.330 to i32
                  %call.1.3 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%16 = \text{load double}, \text{ double* getelementptr inbounds ([5 x [5 x double]], [5 x])}
                  ... [5 x double]]* @array, i64 0, i64 3, i64 1), align 8
                  %mul.1.3 = fmul double %16, 0.000000e+00
                  %conv12.1.3 = sitofp i32 %conv13.331 to double
                  %add.1.3 = fadd double %mul.1.3, %conv12.1.3
                  %conv13.1.3 = fptosi double %add.1.3 to i32
                  %call.2.3 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%17 = \text{load double}, \text{ double* getelementptr inbounds ([5 x [5 x double]], [5 x])}
                  ... [5 x double]]* @array, i64 0, i64 3, i64 2), align 8
                  %mul.2.3 = fmul double %17, 0.000000e+00
                  %conv12.2.3 = sitofp i32 %conv13.1.3 to double
                  %add.2.3 = fadd double %mul.2.3, %conv12.2.3
                  %conv13.2.3 = fptosi double %add.2.3 to i32
                  %call.3.3 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%18 = \text{load double}, \text{ double}^* \text{ getelementptr inbounds ([5 x [5 x double]], [5 x])}
                  ... [5 x double]]* @array, i64 0, i64 3, i64 3), align 8
                  %mul.3.3 = fmul double %18, 0.000000e+00
                  %conv12.3.3 = sitofp i32 %conv13.2.3 to double
                  %add.3.3 = fadd double %mul.3.3, %conv12.3.3
                  %conv13.3.3 = fptosi double %add.3.3 to i32
                  %call.4.3 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%19 = \text{load double}, \text{ double* getelementptr inbounds ([5 x [5 x double]], [5 x])}
                  ... [5 x double]]* @array, i64 0, i64 3, i64 4), align 8
                  %mul.4.3 = fmul double %19, 0.000000e+00
                  %conv12.4.3 = sitofp i32 %conv13.3.3 to double
                  %add.4.3 = fadd double %mul.4.3, %conv12.4.3
                  %conv13.4.3 = fptosi double %add.4.3 to i32
                  %call.432 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%20 = \text{load double}, \text{ double* getelementptr inbounds ([5 x [5 x double]], [5 x])}
                  ... [5 x double]]* @array, i64 0, i64 4, i64 0), align 16
                  %mul.434 = fmul double %20, 0.000000e+00
                  %conv12.435 = sitofp i32 %conv13.4.3 to double
                  %add.436 = fadd double %mul.434, %conv12.435
                  %conv13.437 = fptosi double %add.436 to i32
                  %call.1.4 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  %21 = load double, double* getelementptr inbounds ([5 x [5 x double]], [5 x
                  ... [5 x double]]* @array, i64 0, i64 4, i64 1), align 8
                  %mul.1.4 = fmul double %21, 0.000000e+00
                  %conv12.1.4 = sitofp i32 %conv13.437 to double
                  %add.1.4 = fadd double %mul.1.4, %conv12.1.4
                  %conv13.1.4 = fptosi double %add.1.4 to i32
                  %call.2.4 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%22 = \text{load double}, \text{ double* getelementptr inbounds ([5 x [5 x double]], [5 x])}
                  ... [5 x double]]* @array, i64 0, i64 4, i64 2), align 16
                  %mul.2.4 = fmul double %22, 0.000000e+00
                  %conv12.2.4 = sitofp i32 %conv13.1.4 to double
                  %add.2.4 = fadd double %mul.2.4, %conv12.2.4
                  %conv13.2.4 = fptosi double %add.2.4 to i32
                  %call.3.4 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  \%23 = \text{load double}, \text{ double* getelementptr inbounds ([5 x [5 x double]], [5 x])}
                  ... [5 x double]]* @array, i64 0, i64 4, i64 3), align 8
                  %mul.3.4 = fmul double %23, 0.000000e+00
                  %conv12.3.4 = sitofp i32 %conv13.2.4 to double
                  %add.3.4 = fadd double %mul.3.4, %conv12.3.4
                  %conv13.3.4 = fptosi double %add.3.4 to i32
                  %call.4.4 = call i32 (i8*, ...) @__isoc99_scanf(i8* getelementptr inbounds
                  ... ([3 x i8], [3 x i8]* @.str, i64 0, i64 0), i32* nonnull %i)
                  %24 = 10ad double, double* getelementptr inbounds ([5 x [5 x double]], [5 x
                  ... [5 x double]]* @array, i64 0, i64 4, i64 4), align 16
                  %mul.4.4 = fmul double %24, 0.000000e+00
                  %conv12.4.4 = sitofp i32 %conv13.3.4 to double
                  %add.4.4 = fadd double %mul.4.4, %conv12.4.4
                  %conv13.4.4 = fptosi double %add.4.4 to i32
                  %inc18 = add nuw nsw i32 %j.011, 1
                  %exitcond = icmp eq i32 %inc18, 100
                  br i1 %exitcond, label %for.inc20, label %for.cond4.preheader.backedge
                                    Т
for.inc20:
%25 = load i32, i32* %i, align 4
\%inc21 = add nsw i32 %25, 1
store i32 %inc21, i32* %i, align 4
%cmp = icmp slt i32 %25, 99
br i1 %cmp, label %for.cond4.preheader.backedge, label %for.end22
                T
                                         for.cond4.preheader.backedge:
```

%26 = load %struct._IO_FILE*, %struct._IO_FILE** @stdout, align 8 %call23 = call i32 (%struct. IO FILE*, i8*, ...) @fprintf(%struct. IO FILE* %j.011.be = phi i32 [%inc18, %for.cond4.preheader], [0, %for.inc20] ... %26, i8* getelementptr inbounds ([4 x i8], [4 x i8]* @.str.1, i64 0, i64 0), br label %for.cond4.preheader CFG for 'testloops' function

for.end22:

ret void

... i32 %conv13.4.4)