```
for.body23:
                                                               ; preds = \%for.cond21
                                     %10 = load i32, i32* %i16, align 4
                                     %idxprom24 = sext i32 %10 to i64
% \text{arrayidx } 25 = \text{getelementptr inbounds } [100 \text{ x } [100 \text{ x } i32]], [100 \text{ x } [100 \text{ x } i32]] * \% a, i64 0, i64 \% idxprom 24
                                     %11 = load i32, i32* %j20, align 4
                                     %idxprom26 = sext i32 %11 to i64
   %arrayidx27 = getelementptr inbounds [100 x i32], [100 x i32]* %arrayidx25, i64 0, i64 %idxprom26
                                  %12 = load i32, i32* %arrayidx27, align 4
                                     %13 = load i32, i32* %i16, align 4
                                     %idxprom28 = sext i32 %13 to i64
% = \text{getelementptr inbounds} [100 \times [100 \times i32]], [100 \times [100 \times i32]] * \% b, i64 0, i64 \% idxprom 28
                                     %14 = 10ad i32, i32* \% i20, align 4
                                     %idxprom30 = sext i32 %14 to i64
   %arrayidx31 = getelementptr inbounds [100 x i32], [100 x i32]* %arrayidx29, i64 0, i64 %idxprom30
                                  %15 = load i32, i32* %arrayidx31, align 4
                                       %add = add nsw i32 %12, %15
                                     %16 = load i32, i32* \%i16, align 4
                                     %idxprom32 = sext i32 %16 to i64
% = \text{getelementptr inbounds} [100 \times [100 \times i32]], [100 \times [100 \times i32]] * \%c, i64 0, i64 \% idxprom 32
                                     %17 = load i32, i32* %j20, align 4
                                     %idxprom34 = sext i32 %17 to i64
   %arrayidx35 = getelementptr inbounds [100 x i32], [100 x i32]* %arrayidx33, i64 0, i64 %idxprom34
                                  store i32 %add, i32* %arrayidx35, align 4
                                             br label %for.inc36
```

for.inc36: ; preds = %for.body23 %18 = load i32, i32* %j20, align 4 %inc37 = add nsw i32 %18, 1 store i32 %inc37, i32* %j20, align 4 br label %for.cond21