

entry:
%rescale1 = getelementptr inbounds %struct.cjpeg_source_struct,
... %struct.cjpeg_source_struct* %sinfo, i64 1, i32 3
%0 = bitcast %struct._IO_FILE** %rescale1 to i8**
%1 = load i8*, i8** %0, align 8, !tbaa !3
%iobuffer = getelementptr inbounds %struct.cjpeg_source_struct,
... %struct.cjpeg_source_struct* %sinfo, i64 1
%2 = bitcast %struct.cjpeg_source_struct* %iobuffer to i8**
%3 = load i8*, i8** %2, align 8, !tbaa !11
%buffer_width = getelementptr inbounds %struct.cjpeg_source_struct,
... %struct.cjpeg_source_struct* %sinfo, i64 1, i32 2
%4 = bitcast void (%struct.jpeg_compress_struct*,
... %struct.cjpeg_source_struct*)** %buffer_width to i64*
%5 = load i64, i64* %4, align 8, !tbaa !12
%input_file = getelementptr inbounds %struct.cjpeg_source_struct,
... %struct.cjpeg_source_struct* %sinfo, i64 0, i32 3
%6 = load %struct._IO_FILE*, %struct._IO_FILE** %input_file, align 8, !tbaa
... !13
%call = tail call i64 @fread(i8* %3, i64 1, i64 %5, %struct._IO_FILE* %6)
%7 = load i64, i64* %4, align 8, !tbaa !12
%cmp = icmp eq i64 %call, %7
br i1 %cmp, label %if.end, label %if.then

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if.then:
%err = getelementptr inbounds %struct.jpeg_compress_struct,
... %struct.jpeg_compress_struct* %cinfo, i64 0, i32 0
%8 = load %struct.jpeg_error_mgr*, %struct.jpeg_error_mgr** %err, align 8,
... !tbaa !14
%msg_code = getelementptr inbounds %struct.jpeg_error_mgr,
... %struct.jpeg_error_mgr* %8, i64 0, i32 5
store i32 42, i32* %msg_code, align 8, !tbaa !18
%error_exit = getelementptr inbounds %struct.jpeg_error_mgr,
... %struct.jpeg_error_mgr* %8, i64 0, i32 0
%9 = load void (%struct.jpeg_common_struct)*, void
... (%struct.jpeg_common_struct)** %error_exit, align 8, !tbaa !20
%10 = bitcast %struct.jpeg_compress_struct* %cinfo to
... %struct.jpeg_common_struct*
tail call void %9(%struct.jpeg_common_struct* %10) #3
br label %if.end

if.end:
%image_width = getelementptr inbounds %struct.jpeg_compress_struct,
... %struct.jpeg_compress_struct* %cinfo, i64 0, i32 6
%11 = load i32, i32* %image_width, align 8, !tbaa !21
%cmp630 = icmp eq i32 %11, 0
br i1 %cmp630, label %for.end, label %for.body.preheader

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for.body.preheader:
%12 = load i8*, i8** %2, align 8, !tbaa !11
%buffer = getelementptr inbounds %struct.cjpeg_source_struct,
... %struct.cjpeg_source_struct* %sinfo, i64 0, i32 4
%13 = load i8**, i8*** %buffer, align 8, !tbaa !22
%14 = load i8*, i8** %13, align 8, !tbaa !23
%xtraiter = and i32 %11, 1
%lcmp.mod = icmp eq i32 %xtraiter, 0
br i1 %lcmp.mod, label %for.body.preheader.split, label %for.body.prol

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for.body.prol:
%incdec.ptr.prol = getelementptr inbounds i8, i8* %12, i64 1
%15 = load i8, i8* %12, align 1, !tbaa !24
%conv.prol = zext i8 %15 to i64
%incdec.ptr7.prol = getelementptr inbounds i8, i8* %12, i64 2
%16 = load i8, i8* %incdec.ptr.prol, align 1, !tbaa !24
%conv8.prol = zext i8 %16 to i64
%shl.prol = shl nuw nsw i64 %conv8.prol, 8
%or.prol = or i64 %shl.prol, %conv.prol
%arrayidx9.prol = getelementptr inbounds i8, i8* %1, i64 %or.prol
%17 = load i8, i8* %arrayidx9.prol, align 1, !tbaa !24
%incdec.ptr10.prol = getelementptr inbounds i8, i8* %14, i64 1
store i8 %17, i8* %14, align 1, !tbaa !24
%dec.prol = add i32 %11, -1
br label %for.body.preheader.split

for.body.preheader.split:
%ptr.033.unr = phi i8* [%14, %for.body.preheader], [%incdec.ptr10.prol,
... %for.body.prol]
%col.032.unr = phi i32 [%11, %for.body.preheader], [%dec.prol,
... %for.body.prol]
%bufferptr.031.unr = phi i8* [%12, %for.body.preheader], [
... %incdec.ptr7.prol, %for.body.prol]
%18 = icmp eq i32 %11, 1
br i1 %18, label %for.end.loopexit, label %for.body.preheader.split.split

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for.body.preheader.split.split:
br label %for.body

for.body:
%ptr.033 = phi i8* [%ptr.033.unr, %for.body.preheader.split.split], [
... %incdec.ptr10.1, %for.body]
%col.032 = phi i32 [%col.032.unr, %for.body.preheader.split.split], [
... %dec.1, %for.body]
%bufferptr.031 = phi i8* [%bufferptr.031.unr,
... %for.body.preheader.split.split], [%incdec.ptr7.1, %for.body]
%incdec.ptr = getelementptr inbounds i8, i8* %bufferptr.031, i64 1
%19 = load i8, i8* %bufferptr.031, align 1, !tbaa !24
%conv = zext i8 %19 to i64
%incdec.ptr7 = getelementptr inbounds i8, i8* %bufferptr.031, i64 2
%20 = load i8, i8* %incdec.ptr, align 1, !tbaa !24
%conv8 = zext i8 %20 to i64
%shl = shl nuw nsw i64 %conv8, 8
%or = or i64 %shl, %conv
%arrayidx9 = getelementptr inbounds i8, i8* %1, i64 %or
%21 = load i8, i8* %arrayidx9, align 1, !tbaa !24
%incdec.ptr10 = getelementptr inbounds i8, i8* %ptr.033, i64 1
store i8 %21, i8* %ptr.033, align 1, !tbaa !24
%incdec.ptr.1 = getelementptr inbounds i8, i8* %bufferptr.031, i64 3
%22 = load i8, i8* %incdec.ptr7, align 1, !tbaa !24
%conv.1 = zext i8 %22 to i64
%incdec.ptr7.1 = getelementptr inbounds i8, i8* %bufferptr.031, i64 4
%23 = load i8, i8* %incdec.ptr.1, align 1, !tbaa !24
%conv8.1 = zext i8 %23 to i64
%shl.1 = shl nuw nsw i64 %conv8.1, 8
%or.1 = or i64 %shl.1, %conv.1
%arrayidx9.1 = getelementptr inbounds i8, i8* %1, i64 %or.1
%24 = load i8, i8* %arrayidx9.1, align 1, !tbaa !24
%incdec.ptr10.1 = getelementptr inbounds i8, i8* %ptr.033, i64 2
store i8 %24, i8* %incdec.ptr10, align 1, !tbaa !24
%dec.1 = add i32 %col.032, -2
%cmp6.1 = icmp eq i32 %dec.1, 0
br i1 %cmp6.1, label %for.end.loopexit.unr-lcssa, label %for.body

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for.end.loopexit.unr-lcssa:
br label %for.end.loopexit

for.end.loopexit:
br label %for.end

for.end:
ret i32 1

CFG for 'get_word_gray_row' function