

```
entry:
%source_row = getelementptr inbounds %struct.cjpeg_source_struct,
... %struct.cjpeg_source_struct* %sinfo, i64 1, i32 3
%0 = bitcast %struct._IO_FILE** %source_row to i32*
%1 = load i32, i32* %0, align 8, !tbaa !3
%dec = add i32 %1, -1
store i32 %dec, i32* %0, align 8, !tbaa !3
%mem = getelementptr inbounds %struct.jpeg_compress_struct,
... %struct.jpeg_compress_struct* %cinfo, i64 0, i32 1
%2 = load %struct.jpeg_memory_mgr*, %struct.jpeg_memory_mgr** %mem, align 8,
... !tbaa !10
%access_virt_sarray = getelementptr inbounds %struct.jpeg_memory_mgr,
... %struct.jpeg_memory_mgr* %2, i64 0, i32 7
%3 = load i8** (%struct.jpeg_common_struct*, %struct.jvirt_sarray_control*,
... i32, i32, i32)*, i8** (%struct.jpeg_common_struct*,
... %struct.jvirt_sarray_control*, i32, i32, i32)** %access_virt_sarray, align 8,
... !tbaa !14
%4 = bitcast %struct.jpeg_compress_struct* %cinfo to
... %struct.jpeg_common_struct*
%whole_image = getelementptr inbounds %struct.cjpeg_source_struct,
... %struct.cjpeg_source_struct* %sinfo, i64 1, i32 2
%5 = bitcast void (%struct.jpeg_compress_struct*,
... %struct.cjpeg_source_struct*)** %whole_image to %struct.jvirt_sarray_control**
%6 = load %struct.jvirt_sarray_control*, %struct.jvirt_sarray_control** %5,
... align 8, !tbaa !17
%call = tail call i8** %3(%struct.jpeg_common_struct* %4,
... %struct.jvirt_sarray_control* %6, i32 %dec, i32 1, i32 0) #4
%image_width = getelementptr inbounds %struct.jpeg_compress_struct,
... %struct.jpeg_compress_struct* %cinfo, i64 0, i32 6
%7 = load i32, i32* %image_width, align 8, !tbaa !18
%cmp25 = icmp eq i32 %7, 0
br i1 %cmp25, label %for.end, label %for.body.preheader
```

```
for.body.preheader:
%buffer = getelementptr inbounds %struct.cjpeg_source_struct,
... %struct.cjpeg_source_struct* %sinfo, i64 0, i32 4
%8 = load i8**, i8*** %buffer, align 8, !tbaa !19
%9 = load i8*, i8** %8, align 8, !tbaa !20
%10 = load i8*, i8** %call, align 8, !tbaa !20
%xtraiter = and i32 %7, 1
%lcmp.mod = icmp eq i32 %xtraiter, 0
br i1 %lcmp.mod, label %for.body.preheader.split, label %for.body.prol
```

```
for.body.prol:
%incdec.ptr.prol = getelementptr inbounds i8, i8* %10, i64 1
%11 = load i8, i8* %10, align 1, !tbaa !21
%arrayidx3.prol = getelementptr inbounds i8, i8* %9, i64 2
store i8 %11, i8* %arrayidx3.prol, align 1, !tbaa !21
%incdec.ptr4.prol = getelementptr inbounds i8, i8* %10, i64 2
%12 = load i8, i8* %incdec.ptr.prol, align 1, !tbaa !21
%arrayidx5.prol = getelementptr inbounds i8, i8* %9, i64 1
store i8 %12, i8* %arrayidx5.prol, align 1, !tbaa !21
%incdec.ptr6.prol = getelementptr inbounds i8, i8* %10, i64 3
%13 = load i8, i8* %incdec.ptr4.prol, align 1, !tbaa !21
store i8 %13, i8* %9, align 1, !tbaa !21
%add.ptr.prol = getelementptr inbounds i8, i8* %9, i64 3
%dec8.prol = add i32 %7, -1
br label %for.body.preheader.split
```

```
for.body.preheader.split:
%col.028.unr = phi i32 [ %7, %for.body.preheader ], [ %dec8.prol,
... %for.body.prol ]
%outptr.027.unr = phi i8* [ %9, %for.body.preheader ], [ %add.ptr.prol,
... %for.body.prol ]
%inptr.026.unr = phi i8* [ %10, %for.body.preheader ], [ %incdec.ptr6.prol,
... %for.body.prol ]
%14 = icmp eq i32 %7, 1
br i1 %14, label %for.end.loopexit, label %for.body.preheader.split.split
```

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

```
for.body:
%col.028 = phi i32 [ %col.028.unr, %for.body.preheader.split.split ], [
... %dec8.1, %for.body ]
%outptr.027 = phi i8* [ %outptr.027.unr, %for.body.preheader.split.split ],
... [ %add.ptr.1, %for.body ]
%inptr.026 = phi i8* [ %inptr.026.unr, %for.body.preheader.split.split ], [
... %incdec.ptr6.1, %for.body ]
%incdec.ptr = getelementptr inbounds i8, i8* %inptr.026, i64 1
%15 = load i8, i8* %inptr.026, align 1, !tbaa !21
%arrayidx3 = getelementptr inbounds i8, i8* %outptr.027, i64 2
store i8 %15, i8* %arrayidx3, align 1, !tbaa !21
%incdec.ptr4 = getelementptr inbounds i8, i8* %inptr.026, i64 2
%16 = load i8, i8* %incdec.ptr, align 1, !tbaa !21
%arrayidx5 = getelementptr inbounds i8, i8* %outptr.027, i64 1
store i8 %16, i8* %arrayidx5, align 1, !tbaa !21
%incdec.ptr6 = getelementptr inbounds i8, i8* %inptr.026, i64 3
%17 = load i8, i8* %incdec.ptr4, align 1, !tbaa !21
store i8 %17, i8* %outptr.027, align 1, !tbaa !21
%add.ptr = getelementptr inbounds i8, i8* %outptr.027, i64 3
%incdec.ptr.1 = getelementptr inbounds i8, i8* %inptr.026, i64 4
%18 = load i8, i8* %incdec.ptr6, align 1, !tbaa !21
%arrayidx3.1 = getelementptr inbounds i8, i8* %outptr.027, i64 5
store i8 %18, i8* %arrayidx3.1, align 1, !tbaa !21
%incdec.ptr4.1 = getelementptr inbounds i8, i8* %inptr.026, i64 5
%19 = load i8, i8* %incdec.ptr.1, align 1, !tbaa !21
%arrayidx5.1 = getelementptr inbounds i8, i8* %outptr.027, i64 4
store i8 %19, i8* %arrayidx5.1, align 1, !tbaa !21
%incdec.ptr6.1 = getelementptr inbounds i8, i8* %inptr.026, i64 6
%20 = load i8, i8* %incdec.ptr4.1, align 1, !tbaa !21
store i8 %20, i8* %add.ptr, align 1, !tbaa !21
%add.ptr.1 = getelementptr inbounds i8, i8* %outptr.027, i64 6
%dec8.1 = add i32 %col.028, -2
%cmp.1 = icmp eq i32 %dec8.1, 0
br i1 %cmp.1, label %for.end.loopexit.unr-icssa, label %for.body
```

```
for.end.loopexit.unr-icssa:
br label %for.end.loopexit
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```
for.end.loopexit:
br label %for.end
```

```
for.end:
ret i32 1
```

CFG for 'get_24bit_row' function