

PDF that Jhove Rev. 1.12.0A1, 2014-03-16 (commit: 155aca2e54) reports as failing.

Invalid Page Dictionary Object

Failure is initially "Invalid page dictionary object".

Cause:

Cause is a bug in PdfFlateInputStream.skipIISBytes(long n) which miscalculates the number of bytes to skip when the requested skip number is larger than the remaining buffer size.

The problematic code is exercised by this PDF as the Page Tree is encoded in a stream object where the root page starts beyond one buffer's worth of data.

Solution:

The correction in PdfFlateInputStream.skipIISBytes(long n) is:

```
/** Skip a specified number of bytes. */
private long skipIISBytes (long n) throws IOException {
    if (iisBufOff >= iisBufLen && !iisEof) {
        readIIS ();
    }
    if (iisEof) {
        return -1;
    }
    if (iisBufLen - iisBufOff < n) {
-        n = iisBufLen + iisBufOff;
+        n = iisBufLen - iisBufOff;
    }
    iisBufOff += n;
    return n;
}
```

Improperly Constructed Page Tree

After correcting the above error, Jhove reports an "Improperly constructed page tree".

Cause:

Solution:

