```
  0.25% done, estimate finish Tue Jan 22 19:14:54 2002
  0.49% done, estimate finish Tue Jan 22 19:11:33 2002
[SNIP]
 99.80% done, estimate finish Tue Jan 22 19:12:21 2002
Total translation table size: 0
Total rockridge attributes bytes: 0
Total directory bytes: 4096
Path table size(bytes): 42
Max brk space used 4000
2024016 extents written (3953 Mb)
$
```

Verifying the image with isoinfo:

It's always a good idea to verify the image before we burn it.

```
$ isoinfo -i homedvd.img -l

Directory listing of /
d---------   0    0    0            2048 Feb  9 2002 [    277]  .
d---------   0    0    0            2048 Feb  9 2002 [    277]  ..
d---------   0    0    0            2048 Feb  9 2002 [    278]  VIDEO_TS

Directory listing of /VIDEO_TS/
d---------   0    0    0            2048 Feb  9 2002 [    278]  .
d---------   0    0    0            2048 Feb  9 2002 [    277]  ..
----------   0    0    0            8192 Feb  9 2002 [    311]  VIDEO_TS.BUP;1
----------   0    0    0            8192 Feb  9 2002 [    279]  VIDEO_TS.IFO;1
----------   0    0    0           86016 Feb  9 2002 [2136055]  VTS_01_0.BUP;1
----------   0    0    0           86016 Feb  9 2002 [    343]  VTS_01_0.IFO;1
----------   0    0    0         4345856 Feb  9 2002 [    407]  VTS_01_0.VOB;1
----------   0    0    0      1073739776 Feb  9 2002 [   2551]  VTS_01_1.VOB;1
----------   0    0    0      1073739776 Feb  9 2002 [ 526838]  VTS_01_2.VOB;1
----------   0    0    0      1073739776 Feb  9 2002 [1051125]  VTS_01_3.VOB;1
----------   0    0    0      1073739776 Feb  9 2002 [1575412]  VTS_01_4.VOB;1
----------   0    0    0        74405888 Feb  9 2002 [2099699]  VTS_01_5.VOB;1
```

It's the numbers between the brackets that we are interested in. It tells us the start sector of each file. VIDEO_TS.IFO must have the lowest sector number of all files!

```
[    279]  VIDEO_TS.IFO
[    311]  VIDEO_TS.BUP
[    343]  VTS_01_0.IFO
[    407]  VTS_01_0.VOB
[   2551]  VTS_01_1.VOB
[ 526838]  VTS_01_2.VOB
[1051125]  VTS_01_3.VOB
[1575412]  VTS_01_4.VOB
[2099699]  VTS_01_5.VOB
[2136055]  VTS_01_0.BUP
```

Now do the same on your original DVD-Video (I'm asuming that you are doing a backup). The important thing here is to do a "original-VIDEO_TS.IFO-startsector - copy-VIDEO_TS.IFO-startsector" and note down the diff between the files. Now repete the same calculation for each of the files. The diff should be the same for all file pairs.

Burning the image with dvdrecord:

We are now ready to burn the image with dvdrecord. As usuall it will be an example session.

```
$ cd /DVD_PROJECTS/
$ dvdrecord speed=1 -dao dev=0,0,0 homedvd.img
dvdrtools - based on:
```

```
Cdrecord 1.11a13 (i686-pc-linux-gnu) Copyright (C) 1995-2001 Jörg Schilling
dvdrecord: Fifo not supported.
scsidev: '0,0,0'
scsibus: 0 target: 0 lun: 0
Linux sg driver version: 3.1.22
Using libscg version 'schily-0.5'
Device type    : Removable CD-ROM
Version        : 0
Response Format: 2
Capabilities   :
Vendor_info    : 'PIONEER '
Identifikation : 'DVD-RW  DVR-104 '
Revision       : '1.20'
Device seems to be: Generic mmc2 DVD.
Using generic SCSI-3/mmc DVD-R(W) driver (mmc_mdvd).
Driver flags   : SWABAUDIO BURNFREE
Supported modes: TAO PACKET SAO
Starting to write CD/DVD at speed 7 in write mode for single session.
Last chance to quit, starting real write in 0 seconds. Operation starts.
trackno=0
dvdrecord: WARNING: Drive returns wrong startsec (0) using -150
Track 01: Total bytes read/written: 4145184768/4145184768 (2024016 sectors).
$
```

That's it the disk is now ready to use in any decent stand alone DVD-Video player. (Note: Some old DVD players doesn't play DVD-R(W) disk.

Playing your DVD-R disk under Linux:

I'm running Suse 8.0 (Linux 2.4.18) but it looks a lot of other systems has the same type of bug preventing them from playing DVD-Video recorded on a DVD-R(W) disk (this bug is not consistent).

The error message looks like this:

```
libdvdread: Can't open file VIDEO_TS.IFO.
vm: faild to read VIDEO_TS.IFO
```

A work around is to enable scsi emulation for your IDE DVD drive. Just add hdX=ide-scsi to your append line in lilo.conf (don't forget to run lilo afterwards) and reboot. By the way, you have to enable scsi-emulation anyway to be able to burn DVD-R(W) with your IDE DVD-R(W) drive.

Happy burning!

PS: Yes the output above is from two different projects but the vital info is the same