**Level 0: Non-Fragmented Files**

• Sanitize the drive with the B9 program

**• ./carve-fill.py | dd of=/dev/disk3s1**

• Do a quick format of the drive

• Populate the drive

**• Add a file**

**• Add B9 file**

**• Repeat until all files are populated**

**Table 1**

• Overwrite the first sector of the drive

**• dd if=/dev/zero of=/dev/disk3s1 bs=512 count=1 conv=notrunc**

**Table 2**

• Create Image File

**• dd if=/dev/disk3s1 of=NameOfImageFile.dd**

**Level 1: File with Sequential Fragmentation**

• Sanitize the drive with the B9 program

**• ./carve-fill.py | dd of=/dev/disk3s1**

• Do a quick format of the drive

• Populate the drive

**• B9**

**• File 1**

**• File 2**

**Table 3**

• Delete files

**• Delete files 1 and 2**

• Re-Populate drive

**• Populate with a file larger than both files 1 and 2**

• Overwrite the first sector of the drive

**• dd if=/dev/zero of=/dev/disk3s1 bs=512 count=1 conv=notrunc**

**Table 4**

• Create an image file of the drive

**• dd if=/dev/disk3s1 of=NameOfFile.dd**

**Level 2: File with Non-Sequential Fragmentation**

• Sanitize the drive using the B9 program

**• ./carve-fill.py | dd of=/dev/disk3s1**

• Do a quick format of the drive

• Populate the drive

**• B9**

**• File 1**

**• B9-2**

**• File 2**

**• B9-3**

**Table 5**

• Delete files

**• Delete files 1 and 2**

• Re-Populate drive

**• Populate with a file larger then both file 1 and 2**

• Overwrite the first sector of the drive

**• dd if=/dev/zero of=/dev/disk3s1 bs=512 count=1 conv=notrunc**

**Table 6**

• Create an image file of the drive

**• dd if=/dev/disk3s1 of=NameOfFile.dd**

**Level 3: File with a Missing Fragment**

• Sanitize the drive using the B9 program

**• ./carve-fill.py | dd of=/dev/disk3s1**

• Do a quick format of the drive

• Populate the drive

**• B9**

**• File 1**

**• B9-2**

**• File 2**

**Table 7**

• Delete files

**• Delete files 1 and 2**

• Re-Populate the drive

**• File 3**

**Table 8**

• Re-Populate the drive

**• File 4**

• Overwrite the first sector of the drive

**• dd if=/dev/zero of=/dev/disk3s1 bs=512 count=1 conv=notrunc**

**Table 9**

• Create an image file of the drive

**• dd if=/dev/disk3s1 of=NameOfFile.dd**