

Aufgabenblatt 4

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1d)

Zunächst muss git installiert werden, damit das git-repository heruntergeladen werden kann.

```
git clone -b oldstable_20211118 --depth=1 https://github.com/raspberrypi/linux
```

2 a)

```
find . -name "bcm2710-rpi-3-b.dts" -print
```

Ich habe das Modell 3-b. Wenn ich das Modell 3-b-plus hätte wäre es die datei bcm2710-rpi-3-b-plus.dts

Das Packet flex fehlt

3 a)

```
Version: Linux target085.local 5.10.103-v7+ #1529 SMP Tue Nov 26 12:21:37  
        GMT 2020 armv7l GNU/Linu
```

Build Datum: 26. November 2020

3 b)

```
mv kernel7.img KERNEL7_Backup.img
```

3 c)

```
pi@target085:~$ uname -a  
Linux target085.local 5.10.63-v7+ #1 SMP Thu May 2 14:55:06 CEST 2024 armv7l GNU/Linux
```

```

pi@target085:~ $ ls -lt /boot
total 55059
-rwxr-xr-x 1 root root      28943 May  2 14:41 bcm2710-rpi-3-b.dtb
-rwxr-xr-x 1 root root    6392448 May  2 14:34 kernel7.img
-rwxr-xr-x 1 root root      1798 Apr 23 16:58 config.txt
-rwxr-xr-x 1 root root       121 Apr 23 16:56 cmdline.txt
drwxr-xr-x 2 root root       512 Apr 23 15:59 'System Volume Information'
-rwxr-xr-x 1 root root       145 Dec  2 2020 issue.txt
drwxr-xr-x 2 root root     17408 Dec  2 2020 overlays
-rwxr-xr-x 1 root root    6145336 Nov 26 2020 kernel7l.img
-rwxr-xr-x 1 root root   15899136 Nov 26 2020 kernel8.img
-rwxr-xr-x 1 root root    5454880 Nov 26 2020 kernel.img
-rwxr-xr-x 1 root root    788764 Nov 26 2020 start4cd.elf
-rwxr-xr-x 1 root root   3713992 Nov 26 2020 start4db.elf
-rwxr-xr-x 1 root root   2213024 Nov 26 2020 start4.elf
-rwxr-xr-x 1 root root   2972936 Nov 26 2020 start4x.elf
-rwxr-xr-x 1 root root    788764 Nov 26 2020 start_cd.elf
-rwxr-xr-x 1 root root   4785928 Nov 26 2020 start_db.elf
-rwxr-xr-x 1 root root   2937248 Nov 26 2020 start.elf
-rwxr-xr-x 1 root root   3696488 Nov 26 2020 start_x.elf
-rwxr-xr-x 1 root root     25163 Nov 26 2020 bcm2708-rpi-b.dtb
-rwxr-xr-x 1 root root     25426 Nov 26 2020 bcm2708-rpi-b-plus.dtb
-rwxr-xr-x 1 root root     24774 Nov 26 2020 bcm2708-rpi-b-rev1.dtb
-rwxr-xr-x 1 root root     24896 Nov 26 2020 bcm2708-rpi-cm.dtb
-rwxr-xr-x 1 root root     24908 Nov 26 2020 bcm2708-rpi-zero.dtb
-rwxr-xr-x 1 root root     26101 Nov 26 2020 bcm2708-rpi-zero-w.dtb
-rwxr-xr-x 1 root root     26301 Nov 26 2020 bcm2709-rpi-2-b.dtb
-rwxr-xr-x 1 root root     26450 Nov 26 2020 bcm2710-rpi-2-b.dtb
-rwxr-xr-x 1 root root     28567 Nov 26 2020 bcm2710-rpi-3-b-plus.dtb
-rwxr-xr-x 1 root root     26257 Nov 26 2020 bcm2710-rpi-cm3.dtb
-rwxr-xr-x 1 root root     47657 Nov 26 2020 bcm2711-rpi-400.dtb
-rwxr-xr-x 1 root root     47484 Nov 26 2020 bcm2711-rpi-4-b.dtb
-rwxr-xr-x 1 root root     47629 Nov 26 2020 bcm2711-rpi-cm4.dtb
-rwxr-xr-x 1 root root     52456 Nov 26 2020 bootcode.bin
-rwxr-xr-x 1 root root      3168 Nov 26 2020 fixup4cd.dat
-rwxr-xr-x 1 root root      5423 Nov 26 2020 fixup4.dat
-rwxr-xr-x 1 root root      8434 Nov 26 2020 fixup4db.dat
-rwxr-xr-x 1 root root      8430 Nov 26 2020 fixup4x.dat
-rwxr-xr-x 1 root root      3168 Nov 26 2020 fixup_cd.dat
-rwxr-xr-x 1 root root      7295 Nov 26 2020 fixup.dat
-rwxr-xr-x 1 root root     10280 Nov 26 2020 fixup_db.dat
-rwxr-xr-x 1 root root     10282 Nov 26 2020 fixup_x.dat
-rwxr-xr-x 1 root root       1594 Sep 30 2020 LICENCE.broadcom
-rwxr-xr-x 1 root root     18693 May 27 2020 COPYING.linux
pi@target085:~ $

```