

modules.builtin

56 Additions, 24 Deletions, 41 Changes

A modules.builtin (initrd.img-5.10.0-33-rt-arm64.initrd)

```
1 kernel/mm/zswap.ko
2 kernel/mm/zpool.ko
3 ~ kernel/mm/zbud.ko~
4 kernel/fs/binfmt_script.ko
5 kernel/fs/binfmt_elf.ko
6 ~ kernel/fs/compat_binfmt_elf.ko~
7 kernel/fs/nfs_common/nfs_ssc.ko

8 kernel/fs/exportfs/exportfs.ko
9 kernel/fs/nls/nls_base.ko

10 kernel/fs/pstore/pstore.ko

11 kernel/crypto/crypto.ko
12 kernel/crypto/crypto_algapi.ko
13 kernel/crypto/aead.ko
14 kernel/crypto/geniv.ko
15 kernel/crypto/skcipher.ko

16 kernel/crypto/crypto_hash.ko
17 kernel/crypto/akcipher.ko
18 kernel/crypto/kpp.ko
19 kernel/crypto/dh_generic.ko
20 kernel/crypto/rsa_generic.ko

21 kernel/crypto/crypto_acompress.ko
22 kernel/crypto/cryptomgr.ko
```

B modules.builtin (initrd.img-5.15.72-ui-cn9670.initrd)

```
1 + kernel/arch/arm64/crypto/sha1-ce.ko~
2 + kernel/arch/arm64/crypto/sha2-ce.ko~
3 + kernel/arch/arm64/crypto/ghash-ce.ko~
4 + kernel/arch/arm64/crypto/crct10dif-ce.ko~
5 + kernel/arch/arm64/crypto/aes-ce-cipher.ko~
6 + kernel/arch/arm64/crypto/aes-ce-ccm.ko~
7 + kernel/arch/arm64/crypto/aes-glue-ce.ko~
8 + kernel/arch/arm64/crypto/aes-glue-neon.ko~
9 + kernel/arch/arm64/crypto/sha256-arm64.ko~
10 + kernel/arch/arm64/crypto/sha512-arm64.ko~
11 + kernel/arch/arm64/crypto/chacha-neon.ko~
12 + kernel/arch/arm64/crypto/aes-arm64.ko~
13 + kernel/arch/arm64/crypto/aes-neon-bs.ko~
14 + kernel/kernel/configs.ko~

15 kernel/mm/zswap.ko
16 kernel/mm/zpool.ko
17 ~ kernel/mm/zsmalloc.ko~
18 kernel/fs/binfmt_script.ko
19 kernel/fs/binfmt_elf.ko
20 ~ kernel/fs/mbcache.ko~
21 kernel/fs/nfs_common/nfs_ssc.ko
22 + kernel/fs/configfs/configfs.ko~
23 + kernel/fs/ext4/ext4.ko~
24 + kernel/fs/ext2/ext2.ko~
25 + kernel/fs/jbd2/jbd2.ko~
26 + kernel/fs/squashfs/squashfs.ko~
27 + kernel/fs/fat/fat.ko~
28 + kernel/fs/fat/vfat.ko~
29 kernel/fs/exportfs/exportfs.ko
30 kernel/fs/nls/nls_base.ko
31 + kernel/fs/nls/nls_cp437.ko~
32 + kernel/fs/nls/nls_iso8859-1.ko~
33 + kernel/fs/jffs2/jffs2.ko~
34 + kernel/fs/ubifs/ubifs.ko~
35 + kernel/fs/autofs/autofs4.ko~
36 + kernel/fs/overlayfs/overlay.ko~
37 + kernel/fs/9p/9p.ko~
38 kernel/fs/pstore/pstore.ko
39 + kernel/fs/pstore/ramoops.ko~
40 + kernel/fs/pstore/pstore_zone.ko~
41 + kernel/fs/pstore/pstore_blk.ko~
42 + kernel/fs/efivarfs/efivarfs.ko~
43 kernel/crypto/crypto.ko
44 kernel/crypto/crypto_algapi.ko
45 kernel/crypto/aead.ko
46 kernel/crypto/geniv.ko
47 kernel/crypto/skcipher.ko
48 + kernel/crypto/seqiv.ko~
49 + kernel/crypto/echainiv.ko~
50 kernel/crypto/crypto_hash.ko
51 kernel/crypto/akcipher.ko
52 kernel/crypto/kpp.ko
53 kernel/crypto/dh_generic.ko
54 kernel/crypto/rsa_generic.ko
55 + kernel/crypto/ecdsa_generic.ko~
56 kernel/crypto/crypto_acompress.ko
57 kernel/crypto/cryptomgr.ko
```

A modules.builtin (initrd.img-5.10.0-33-rt-arm64.initrd)

```
23 kernel/crypto/hmac.ko
24 kernel/crypto/crypto_null.ko
25 kernel/crypto/md5.ko
26 kernel/crypto/sha1_generic.ko
27 kernel/crypto/sha256_generic.ko
28 kernel/crypto/deflate.ko
29 kernel/crypto/lzo.ko
30 kernel/crypto/lzo-rle.ko
31 kernel/crypto/rng.ko
32 kernel/crypto/asymmetric_keys/
asymmetric_keys.ko
33 kernel/crypto/asymmetric_keys/public_key.ko
34 kernel/crypto/asymmetric_keys/
x509_key_parser.ko
35 kernel/crypto/asymmetric_keys/pkcs7_message.ko
36 kernel/block/bsg.ko
37 kernel/block/mq-deadline.ko
```

B modules.builtin (initrd.img-5.15.72-ui-cn9670.initrd)

```
58 + kernel/crypto/cmac.ko~
59 kernel/crypto/hmac.ko
60 kernel/crypto/crypto_null.ko
61 kernel/crypto/md5.ko
62 kernel/crypto/sha1_generic.ko
63 kernel/crypto/sha256_generic.ko
64 + kernel/crypto/sha512_generic.ko~
65 + kernel/crypto/sha3_generic.ko~
66 + kernel/crypto/blake2b_generic.ko~
67 + kernel/crypto/gf128mul.ko~
68 + kernel/crypto/ecb.ko~
69 + kernel/crypto/cbc.ko~
70 + kernel/crypto/cts.ko~
71 + kernel/crypto/ctr.ko~
72 + kernel/crypto/gcm.ko~
73 + kernel/crypto/ccm.ko~
74 + kernel/crypto/cryptd.ko~
75 + kernel/crypto/des_generic.ko~
76 + kernel/crypto/aes_generic.ko~
77 + kernel/crypto/chacha_generic.ko~
78 kernel/crypto/deflate.ko
79 + kernel/crypto/crc32c_generic.ko~
80 + kernel/crypto/crct10dif_common.ko~
81 + kernel/crypto/crct10dif_generic.ko~
82 + kernel/crypto/authenc.ko~
83 + kernel/crypto/authencesn.ko~
84 kernel/crypto/lzo.ko
85 kernel/crypto/lzo-rle.ko
86 + kernel/crypto/xxhash_generic.ko~
87 kernel/crypto/rng.ko
88 + kernel/crypto/ansi_cprng.ko~
89 + kernel/crypto/drbg.ko~
90 + kernel/crypto/jitterentropy_rng.ko~
91 + kernel/crypto/ghash-generic.ko~
92 + kernel/crypto/af_alg.ko~
93 + kernel/crypto/algif_hash.ko~
94 + kernel/crypto/algif_skcipher.ko~
95 + kernel/crypto/algif_rng.ko~
96 + kernel/crypto/algif_aead.ko~
97 + kernel/crypto/zstd.ko~
98 + kernel/crypto/ecc.ko~
99 + kernel/crypto/essiv.ko~
100 + kernel/crypto/ecdh_generic.ko~
101 + kernel/crypto/xor.ko~
102 + kernel/crypto/async_tx/async_tx.ko~
103 + kernel/crypto/async_tx/async_memcpy.ko~
104 + kernel/crypto/async_tx/async_xor.ko~
105 + kernel/crypto/async_tx/async_pq.ko~
106 + kernel/crypto/async_tx/async_raid6_recov.ko~
107 kernel/crypto/asymmetric_keys/
asymmetric_keys.ko
108 kernel/crypto/asymmetric_keys/public_key.ko
109 kernel/crypto/asymmetric_keys/
x509_key_parser.ko
110 kernel/crypto/asymmetric_keys/pkcs7_message.ko
111 + kernel/crypto/crypto_simd.ko~
112 kernel/block/bsg.ko
113 kernel/block/mq-deadline.ko
114 + kernel/block/kyber-iosched.ko~
115 + kernel/block/t10-pi.ko~
116 + kernel/arch/arm64/lib/xor-neon.ko~
117 + kernel/lib/math/rational.ko~
```

A modules.builtin (initrd.img-5.10.0-33-rt-arm64.initrd)

```

38 kernel/lib/crypto/libblake2s.ko
39 kernel/lib/crypto/libsha256.ko
40 - kernel/lib/btree.ko~
41 kernel/lib/linear_ranges.ko
42 - kernel/lib/packing.ko~
43 kernel/lib/crc-ccitt.ko
44 kernel/lib/crc32.ko
45 kernel/lib/xxhash.ko
46 kernel/lib/zlib_inflate/zlib_inflate.ko
47 kernel/lib/zlib_deflate/zlib_deflate.ko
48 kernel/lib/lzo/lzo_compress.ko
49 kernel/lib/lzo/lzo_decompress.ko
50 - kernel/lib/lz4/lz4_compress.ko~
51 kernel/lib/lz4/lz4_decompress.ko
52 kernel/lib/zstd/zstd_compress.ko
53 kernel/lib/zstd/zstd_decompress.ko
54 kernel/lib/xz/xz_dec.ko
55 kernel/lib/glob.ko
56 kernel/lib/mpi/mpi.ko
57 - kernel/lib/digsig.ko~
58 kernel/lib/asn1_decoder.ko
59 kernel/lib/fonts/font.ko
60 kernel/lib/oid_registry.ko
61 kernel/lib/ucs2_string.ko
62 - kernel/lib/pldmfw/pldmfw.ko~
63 - kernel/drivers/irqchip/irq-mbigen.ko~
64 kernel/drivers/irqchip/irq-mvebu-pic.ko
65 ~ kernel/drivers/irqchip/irq-sl28cpld.ko~
66 - kernel/drivers/irqchip/irq-sl28cpld.ko~
67 - kernel/drivers/bus/arm-cci.ko~
68 - kernel/drivers/bus/qcom-ebi2.ko~
69 - kernel/drivers/bus/sunxi-rsb.ko~
70 - kernel/drivers/bus/tegra-aconnect.ko~
71 kernel/drivers/bus/vexpress-config.ko
72 ~ kernel/drivers/phy/amlogic/phy-meson-gxl-usb2.ko~
73 ~ kernel/drivers/phy/amlogic/phy-meson-g12a-usb2.ko~
74 ~ kernel/drivers/phy/amlogic/phy-meson-g12a-usb3-pcie.ko~
75 ~ kernel/drivers/phy/amlogic/phy-meson-axg-pcie.ko~
76 ~ kernel/drivers/phy/amlogic/phy-meson-axg-mipi-pcie-analog.ko~
77 - kernel/drivers/phy/freescale/phy-fsl-imx8mq-usb.ko~
78 - kernel/drivers/pinctrl/pinctrl-amd.ko~
79 kernel/drivers/pinctrl/pinctrl-max77620.ko
80 kernel/drivers/pinctrl/pinctrl-single.ko
81 - kernel/drivers/pinctrl/freescale/pinctrl-imx.ko~
82 - kernel/drivers/pinctrl/freescale/pinctrl-imx8mm.ko~

```

B modules.builtin (initrd.img-5.15.72-ui-cn9670.initrd)

```

118 + kernel/lib/crypto/libchacha.ko~
119 + kernel/lib/crypto/libaes.ko~
120 kernel/lib/crypto/libblake2s.ko
121 + kernel/lib/crypto/libdes.ko~
122 kernel/lib/crypto/libsha256.ko
123 kernel/lib/linear_ranges.ko
124 kernel/lib/crc-ccitt.ko
125 + kernel/lib/crc16.ko~
126 + kernel/lib/crc-t10dif.ko~
127 + kernel/lib/crc-itu-t.ko~
128 kernel/lib/crc32.ko
129 + kernel/lib/crc7.ko~
130 + kernel/lib/libcrc32c.ko~
131 kernel/lib/xxhash.ko
132 kernel/lib/zlib_inflate/zlib_inflate.ko
133 kernel/lib/zlib_deflate/zlib_deflate.ko
134 + kernel/lib/reed_solomon/reed_solomon.ko~
135 kernel/lib/lzo/lzo_compress.ko
136 kernel/lib/lzo/lzo_decompress.ko
137 kernel/lib/lz4/lz4_decompress.ko
138 kernel/lib/zstd/zstd_compress.ko
139 kernel/lib/zstd/zstd_decompress.ko
140 kernel/lib/xz/xz_dec.ko
141 + kernel/lib/raid6/raid6_pq.ko~
142 kernel/lib/glob.ko
143 kernel/lib/mpi/mpi.ko
144 kernel/lib/asn1_decoder.ko
145 kernel/lib/fonts/font.ko
146 kernel/lib/oid_registry.ko
147 kernel/lib/ucs2_string.ko
148 kernel/drivers/irqchip/irq-mvebu-pic.ko
149 ~ kernel/drivers/bus/simple-pm-bus.ko~
150 kernel/drivers/bus/vexpress-config.ko
151 ~ kernel/drivers/phy/phy-xgene.ko~
152 ~ kernel/drivers/phy/marvell/phy-mvebu-a3700-comphy.ko~
153 ~ kernel/drivers/phy/marvell/phy-mvebu-a3700-utmi.ko~
154 ~ kernel/drivers/phy/marvell/phy-mvebu-cp110-comphy.ko~
155 ~ kernel/drivers/phy/samsung/phy-exynos-usb2.ko~
156 kernel/drivers/pinctrl/pinctrl-max77620.ko
157 kernel/drivers/pinctrl/pinctrl-single.ko

```

A modules.builtin (initrd.img-5.10.0-33-rt-arm64.initrd)

```
83 - kernel/drivers/pinctrl/freescale/pinctrl-  
imx8mn.ko~  
84 - kernel/drivers/pinctrl/freescale/pinctrl-  
imx8mp.ko~  
85 - kernel/drivers/pinctrl/freescale/pinctrl-  
imx8mq.ko~  
86 - kernel/drivers/pinctrl/qcom/pinctrl-msm8916.ko~  
87 - kernel/drivers/pinctrl/qcom/pinctrl-msm8996.ko~  
88 - kernel/drivers/pinctrl/qcom/pinctrl-spmi-  
gpio.ko~  
89 - kernel/drivers/pinctrl/qcom/pinctrl-spmi-mpp.ko~  
90 - kernel/drivers/pinctrl/qcom/pinctrl-ssbi-  
gpio.ko~  
91 - kernel/drivers/pinctrl/qcom/pinctrl-ssbi-mpp.ko~  
92 kernel/drivers/gpio/gpio-generic.ko  
93 kernel/drivers/gpio/gpio-max77620.ko  
94 - kernel/drivers/gpio/gpio-mxc.ko~  
95 kernel/drivers/gpio/gpio-pca953x.ko  
96 kernel/drivers/gpio/gpio-pl061.ko  
97 ~ kernel/drivers/gpio/gpio-raspberrypi-exp.ko~  
98 - kernel/drivers/gpio/gpio-xlp.ko~  
99 - kernel/drivers/pci/hotplug/shpchp.ko~  
100 kernel/drivers/pci/hotplug/acpiphp.ko  
101 kernel/drivers/pci/controller/pci-aardvark.ko  
102 - kernel/drivers/pci/controller/pci-tegra.ko~  
103 kernel/drivers/pci/controller/pci-host-  
common.ko  
104 kernel/drivers/pci/controller/pci-host-  
generic.ko  
105 - kernel/drivers/pci/controller/pcie-rockchip-  
host.ko~  
106 - kernel/drivers/pci/controller/pcie-brcmstb.ko~  
107 kernel/drivers/video/backlight/backlight.ko  
108 kernel/drivers/video/fbdev/core/fb.ko  
109 kernel/drivers/video/fbdev/core/cfbfillrect.ko  
110 kernel/drivers/video/fbdev/core/cfbcopyarea.ko  
111 kernel/drivers/video/fbdev/core/cfbimgblt.ko  
112 kernel/drivers/video/fbdev/core/sysfillrect.ko  
113 kernel/drivers/video/fbdev/core/syscopyarea.ko  
114 kernel/drivers/video/fbdev/core/sysimgblt.ko  
115 kernel/drivers/video/fbdev/core/fb_sys_fops.ko  
116 kernel/drivers/video/fbdev/amba-clcd.ko  
117 kernel/drivers/video/fbdev/xen-fbfront.ko  
118 - kernel/drivers/video/fbdev/mx3fb.ko~  
119 - kernel/drivers/video/fbdev/simplefb.ko~  
120 kernel/drivers/acpi/ac.ko  
121 kernel/drivers/acpi/button.ko  
122 kernel/drivers/acpi/fan.ko  
123 kernel/drivers/acpi/processor.ko  
124 kernel/drivers/acpi/thermal.ko  
125 kernel/drivers/acpi/battery.ko  
126 kernel/drivers/acpi/hed.ko  
127 ~ kernel/drivers/amba/tegra-ahb.ko~  
128 - kernel/drivers/clk/clk-fsl-sai.ko~  
129 ~ kernel/drivers/clk/clk-plldig.ko~  
130 - kernel/drivers/clk/bcm/clk-bcm2711-dvp.ko~  
131 ~ kernel/drivers/clk/bcm/clk-bcm2835.ko~  
132 ~ kernel/drivers/clk/bcm/clk-bcm2835-aux.ko~  
133 - kernel/drivers/clk/bcm/clk-raspberrypi.ko~  
134 - kernel/drivers/clk/hisilicon/crg-hi3516cv300.ko~  
135 ~ kernel/drivers/clk/hisilicon/clk-hi3519.ko~
```

B modules.builtin (initrd.img-5.15.72-ui-cn9670.initrd)

```
158 kernel/drivers/gpio/gpio-generic.ko  
159 + kernel/drivers/gpio/gpio-dwapb.ko~  
160 kernel/drivers/gpio/gpio-max77620.ko  
161 kernel/drivers/gpio/gpio-pca953x.ko  
162 kernel/drivers/gpio/gpio-pl061.ko  
163 ~ kernel/drivers/gpio/gpio-thunderx.ko~  
164 kernel/drivers/pci/hotplug/acpiphp.ko  
165 kernel/drivers/pci/controller/pci-aardvark.ko  
166 kernel/drivers/pci/controller/pci-host-  
common.ko  
167 kernel/drivers/pci/controller/pci-host-  
generic.ko  
168 kernel/drivers/video/backlight/backlight.ko  
169 kernel/drivers/video/fbdev/core/fb.ko  
170 kernel/drivers/video/fbdev/core/cfbfillrect.ko  
171 kernel/drivers/video/fbdev/core/cfbcopyarea.ko  
172 kernel/drivers/video/fbdev/core/cfbimgblt.ko  
173 kernel/drivers/video/fbdev/core/sysfillrect.ko  
174 kernel/drivers/video/fbdev/core/syscopyarea.ko  
175 kernel/drivers/video/fbdev/core/sysimgblt.ko  
176 kernel/drivers/video/fbdev/core/fb_sys_fops.ko  
177 kernel/drivers/video/fbdev/amba-clcd.ko  
178 kernel/drivers/video/fbdev/xen-fbfront.ko  
179 kernel/drivers/acpi/ac.ko  
180 kernel/drivers/acpi/button.ko  
181 kernel/drivers/acpi/fan.ko  
182 kernel/drivers/acpi/processor.ko  
183 kernel/drivers/acpi/thermal.ko  
184 kernel/drivers/acpi/battery.ko  
185 kernel/drivers/acpi/hed.ko  
186 ~ kernel/drivers/clk/clk-cs2000-cp.ko~  
187 ~ kernel/drivers/clk/clk-pwm.ko~  
188 ~ kernel/drivers/clk/clk-rk808.ko~  
189 ~ kernel/drivers/clk/clk-s2mps11.ko~  
190 ~ kernel/drivers/clk/clk-scmi.ko~
```

A modules.builtin (initrd.img-5.10.0-33-rt-arm64.initrd)

```

136 ~ kernel/drivers/clk/hisilicon/crg-hi3798cv200.ko-
137 ~ kernel/drivers/clk/imx/mxc-clk.ko-
138 ~ kernel/drivers/clk/imx/clk-imx8mm.ko-
139 - kernel/drivers/clk/imx/clk-imx8mn.ko-
140 - kernel/drivers/clk/imx/clk-imx8mp.ko-
141 - kernel/drivers/clk/imx/clk-imx8mq.ko-
142 - kernel/drivers/clk/meson/clk-cpu-dyndiv.ko-
143 - kernel/drivers/clk/meson/clk-dualdiv.ko-
144 - kernel/drivers/clk/meson/clk-mppll.ko-
145 - kernel/drivers/clk/meson/clk-pll.ko-
146 - kernel/drivers/clk/meson/clk-regmap.ko-
147 - kernel/drivers/clk/meson/vid-pll-div.ko-
148 - kernel/drivers/clk/qcom/clk-qcom.ko-
149 - kernel/drivers/clk/qcom/gcc-msm8916.ko-
150 - kernel/drivers/clk/qcom/gcc-msm8996.ko-
151 - kernel/drivers/clk/qcom/mmcc-msm8996.ko-
152 - kernel/drivers/clk/rockchip/clk-rk3399.ko-
153 kernel/drivers/clk/versatile/clk-vexpress-
    osc.ko
154 - kernel/drivers/dma/virt-dma.ko-
155 - kernel/drivers/dma/bcm2835-dma.ko-
156 kernel/drivers/dma/mv_xor_v2.ko
157 ~ kernel/drivers/dma/ipu/ipu_idmac.ko-
158 ~ kernel/drivers/dma/tegra20-apb-dma.ko-
159 ~ kernel/drivers/dma/tegra210-adma.ko-
160 ~ kernel/drivers/soc/bcm/bcm2835-power.ko-
161 ~ kernel/drivers/soc/bcm/raspberrypi-power.ko-
162 ~ kernel/drivers/soc/sunxi/sunxi_sram.ko-

```

```

163 kernel/drivers/xen/xenbus/xenbus.ko
164 kernel/drivers/xen/xenbus/
    xenbus_probe_frontend.ko
165 ~ kernel/drivers/reset/hisilicon/hi6220_reset.ko-

```

```

166 ~ kernel/drivers/reset/hisilicon/reset-hi3660.ko-

```

B modules.builtin (initrd.img-5.15.72-ui-cn9670.initrd)

```

191 ~ kernel/drivers/clk/sprd/clk-sprd.ko-
192 ~ kernel/drivers/clk/sprd/sc9860-clk.ko-
193 ~ kernel/drivers/clk/sprd/sc9863a-clk.ko-
194 kernel/drivers/clk/versatile/clk-vexpress-
    osc.ko
195 kernel/drivers/dma/mv_xor_v2.ko
196 ~ kernel/drivers/dma/pl330.ko-
197 + kernel/drivers/dma/qcom/hdma_mgmt.ko-
198 ~ kernel/drivers/dma/qcom/hdma.ko-
199 + kernel/drivers/soc/marvell/gti/gti_wdog.ko-
200 + kernel/drivers/soc/marvell/hw-access/
    hw_access.ko-
201 + kernel/drivers/soc/marvell/octeontx2-ghes/otx2-
    ghes-bert.ko-
202 + kernel/drivers/soc/marvell/octeontx2-pcicons/
    octeontx2_pcicons.ko-
203 ~ kernel/drivers/soc/marvell/octeontx2-dpi/
    octeontx2_dpi.ko-
204 ~ kernel/drivers/soc/marvell/octeontx2-sdp/
    octeontx2_sdp.ko-
205 ~ kernel/drivers/soc/marvell/cn10ka-swup/
    mrvl_swup.ko-
206 ~ kernel/drivers/soc/marvell/octeontx_info.ko-
207 + kernel/drivers/virtio/virtio.ko-
208 + kernel/drivers/virtio/virtio_ring.ko-
209 + kernel/drivers/virtio/virtio_pci_modern_dev.ko-
210 + kernel/drivers/virtio/virtio_mmio.ko-
211 + kernel/drivers/virtio/virtio_pci.ko-
212 + kernel/drivers/virtio/virtio_balloon.ko-
213 kernel/drivers/xen/xenbus/xenbus.ko
214 kernel/drivers/xen/xenbus/
    xenbus_probe_frontend.ko
215 ~ kernel/drivers/xen/xen-evtchn.ko-
216 + kernel/drivers/xen/xen-gntdev.ko-
217 + kernel/drivers/xen/xen-gntalloc.ko-
218 + kernel/drivers/xen/xenfs/xenfs.ko-
219 + kernel/drivers/xen/xen-privcmd.ko-
220 + kernel/drivers/regulator/fixed.ko-
221 + kernel/drivers/regulator/fan53555.ko-
222 + kernel/drivers/regulator/gpio-regulator.ko-
223 + kernel/drivers/regulator/hi6421v530-
    regulator.ko-
224 + kernel/drivers/regulator/max77620-regulator.ko-
225 + kernel/drivers/regulator/qcom_spmi-regulator.ko-
226 ~ kernel/drivers/regulator/pwm-regulator.ko-
227 + kernel/drivers/regulator/rk808-regulator.ko-

```


A modules.builtin (initrd.img-5.10.0-33-rt-arm64.initrd)

```

167 kernel/drivers/tty/n_null.ko
168 kernel/drivers/tty/serial/serial_core.ko
169 kernel/drivers/tty/serial/8250/8250.ko
170 kernel/drivers/tty/serial/8250/8250_base.ko
171 kernel/drivers/tty/serial/8250/8250_pci.ko
172 ~ kernel/drivers/tty/serial/
    8250/8250_bcm2835aux.ko~
173 kernel/drivers/tty/serial/8250/8250_dw.ko
174 - kernel/drivers/tty/serial/8250/8250_tegra.ko~
175 kernel/drivers/tty/serial/8250/8250_of.ko
176 - kernel/drivers/tty/serial/amba-pl010.ko~
177 kernel/drivers/tty/serial/amba-pl011.ko
178 - kernel/drivers/tty/serial/imx.ko~
179 - kernel/drivers/tty/serial/imx_earlycon.ko~
180 - kernel/drivers/tty/serial/meson_uart.ko~
181 - kernel/drivers/tty/serial/msm_serial.ko~
182 kernel/drivers/tty/serial/xilinx_uartps.ko
183 - kernel/drivers/tty/serial/serial-tegra.ko~
184 - kernel/drivers/tty/serial/fsl_lpuart.ko~
185 kernel/drivers/tty/serial/serial_mctrl_gpio.ko
186 kernel/drivers/tty/serdev/serdev.ko

```

```

187 kernel/drivers/iommu/arm/arm-smmu/arm_smmu.ko
188 kernel/drivers/iommu/arm/arm-smmu-v3/
    arm_smmu_v3.ko
189 kernel/drivers/iommu/iova.ko

```

```

190 kernel/drivers/gpu/drm/drm_mipi_dsi.ko
191 - kernel/drivers/gpu/drm/
    drm_panel_orientation_quirks.ko~
192 - kernel/drivers/connector/cn.ko~
193 kernel/drivers/base/firmware_loader/
    firmware_class.ko
194 kernel/drivers/base/regmap/regmap-i2c.ko
195 ~ kernel/drivers/base/regmap/regmap-spmi.ko~
196 kernel/drivers/base/regmap/regmap-mmio.ko
197 ~ kernel/drivers/mfd/bcm2835-pm.ko~

```

```

198 kernel/drivers/mfd/mfd-core.ko

```

```

199 kernel/drivers/mfd/vexpress-sysreg.ko
200 ~ kernel/drivers/mfd/simple-mfd-i2c.ko~

```

B modules.builtin (initrd.img-5.15.72-ui-cn9670.initrd)

```

228 + kernel/drivers/regulator/s2mps11.ko~
229 + kernel/drivers/reset/reset-scmi.ko~
230 kernel/drivers/tty/n_null.ko
231 kernel/drivers/tty/serial/serial_core.ko
232 kernel/drivers/tty/serial/8250/8250.ko
233 kernel/drivers/tty/serial/8250/8250_base.ko
234 kernel/drivers/tty/serial/8250/8250_pci.ko
235 ~ kernel/drivers/tty/serial/8250/8250_exar.ko~

```

```

236 kernel/drivers/tty/serial/8250/8250_dw.ko

```

```

237 kernel/drivers/tty/serial/8250/8250_of.ko

```

```

238 kernel/drivers/tty/serial/amba-pl011.ko

```

```

239 kernel/drivers/tty/serial/xilinx_uartps.ko

```

```

240 kernel/drivers/tty/serial/serial_mctrl_gpio.ko
241 kernel/drivers/tty/serdev/serdev.ko

```

```

242 + kernel/drivers/char/virtio_console.ko~
243 + kernel/drivers/char/hw_random/rng-core.ko~
244 + kernel/drivers/char/hw_random/omap-rng.ko~
245 + kernel/drivers/char/hw_random/cavium-rng.ko~
246 + kernel/drivers/char/hw_random/cavium-rng-vf.ko~
247 + kernel/drivers/char/hw_random/optee-rng.ko~
248 + kernel/drivers/char/hw_random/arm_smccc_trng.ko~
249 + kernel/drivers/char/hw_random/cn10k-rng.ko~

```

```

250 kernel/drivers/iommu/arm/arm-smmu/arm_smmu.ko
251 kernel/drivers/iommu/arm/arm-smmu-v3/
    arm_smmu_v3.ko
252 kernel/drivers/iommu/iova.ko

```

```

253 + kernel/drivers/iommu/virtio-iommu.ko~
254 kernel/drivers/gpu/drm/drm_mipi_dsi.ko

```

```

255 kernel/drivers/base/firmware_loader/
    firmware_class.ko
256 kernel/drivers/base/regmap/regmap-i2c.ko
257 ~ kernel/drivers/base/regmap/regmap-spi.ko~
258 kernel/drivers/base/regmap/regmap-mmio.ko
259 ~ kernel/drivers/block/brd.ko~

```

```

260 + kernel/drivers/block/loop.ko~
261 + kernel/drivers/block/nbd.ko~
262 + kernel/drivers/block/virtio_blk.ko~
263 + kernel/drivers/block/xen-blkfront.ko~
264 + kernel/drivers/misc/eeeprom/at24.ko~
265 + kernel/drivers/misc/otx_bphy_ctr.ko~
266 + kernel/drivers/misc/mrvl-loki.ko~
267 + kernel/drivers/mfd/cros_ec_dev.ko~

```

```

268 kernel/drivers/mfd/mfd-core.ko
269 + kernel/drivers/mfd/rk808.ko~
270 + kernel/drivers/mfd/sec-core.ko~
271 + kernel/drivers/mfd/sec-irq.ko~

```

```

272 kernel/drivers/mfd/vexpress-sysreg.ko
273 ~ kernel/drivers/mfd/hi6421-pmic-core.ko~

```

```

274 + kernel/drivers/scsi/scsi_mod.ko~
275 + kernel/drivers/scsi/scsi_common.ko~

```

```

201 ~ kernel/drivers/dax/dax.ko~
202   kernel/drivers/spi/spidev.ko
203   kernel/drivers/spmi/spmi.ko
204 ~ kernel/drivers/spmi/spmi-pmic-arb.ko~

```

```

276 + kernel/drivers/scsi/raid_class.ko~
277 + kernel/drivers/scsi/scsi_transport_sas.ko~
278 + kernel/drivers/scsi/libsas/libsas.ko~
279 + kernel/drivers/scsi/megaraid.ko~
280 + kernel/drivers/scsi/megaraid/megaraid_mm.ko~
281 + kernel/drivers/scsi/megaraid/megaraid_mbox.ko~
282 + kernel/drivers/scsi/megaraid/megaraid_sas.ko~
283 + kernel/drivers/scsi/mpt3sas/mpt3sas.ko~
284 + kernel/drivers/scsi/sd_mod.ko~
285 + kernel/drivers/scsi/hisi_sas/hisi_sas_main.ko~
286 + kernel/drivers/scsi/hisi_sas/hisi_sas_v1_hw.ko~
287 + kernel/drivers/scsi/hisi_sas/hisi_sas_v2_hw.ko~
288 + kernel/drivers/scsi/hisi_sas/hisi_sas_v3_hw.ko~
289 + kernel/drivers/nvme/host/nvme-core.ko~
290 + kernel/drivers/nvme/host/nvme.ko~
291 + kernel/drivers/ata/libata.ko~
292 + kernel/drivers/ata/ahci.ko~
293 + kernel/drivers/ata/libahci.ko~
294 + kernel/drivers/ata/ahci_platform.ko~
295 + kernel/drivers/ata/libahci_platform.ko~
296 + kernel/drivers/ata/sata_sil24.ko~
297 + kernel/drivers/ata/ahci_ceva.ko~
298 + kernel/drivers/ata/ahci_mvebu.ko~
299 + kernel/drivers/ata/ahci_xgene.ko~
300 + kernel/drivers/ata/ahci_qoriq.ko~
301 + kernel/drivers/ata/sata_mv.ko~
302 + kernel/drivers/ata/sata_sil.ko~
303 + kernel/drivers/ata/sata_sis.ko~
304 + kernel/drivers/ata/pata_marvell.ko~
305 + kernel/drivers/ata/pata_sis.ko~
306 + kernel/drivers/ata/pata_platform.ko~
307 + kernel/drivers/ata/pata_of_platform.ko~
308 + kernel/drivers/mtd/mtd.ko~
309 + kernel/drivers/mtd/parsers/cmdlinepart.ko~
310 + kernel/drivers/mtd/parsers/ofpart.ko~
311 + kernel/drivers/mtd/mtd_blkdevs.ko~
312 + kernel/drivers/mtd/mtblock.ko~
313 + kernel/drivers/mtd/chips/chipreg.ko~
314 + kernel/drivers/mtd/spi-nor/spi-nor.ko~
315 ~ kernel/drivers/mtd/ubi/ubi.ko~
316   kernel/drivers/spi/spidev.ko
317 + kernel/drivers/spi/spi-armada-3700.ko~
318 + kernel/drivers/spi/spi-cadence.ko~
319 + kernel/drivers/spi/spi-cadence-xspi.ko~
320 + kernel/drivers/spi/spi-octeonx2.ko~
321 + kernel/drivers/spi/spi-orion.ko~
322 + kernel/drivers/spi/spi-pl022.ko~
323 + kernel/drivers/spi/spi-rockchip.ko~
324 + kernel/drivers/spi/spi-thunderx.ko~
325   kernel/drivers/spmi/spmi.ko
326 ~ kernel/drivers/net/dummy.ko~
327 + kernel/drivers/net/macvlan.ko~
328 + kernel/drivers/net/macvtap.ko~
329 + kernel/drivers/net/mii.ko~
330 + kernel/drivers/net/mdio.ko~
331 + kernel/drivers/net/phy/mdio_devres.ko~
332 + kernel/drivers/net/phy/phylink.ko~
333 + kernel/drivers/net/phy/libphy.ko~
334 + kernel/drivers/net/phy/aquantia.ko~
335 + kernel/drivers/net/phy/ax88796b.ko~
336 + kernel/drivers/net/phy/bcm7xxx.ko~
337 + kernel/drivers/net/phy/bcm87xx.ko~

```

```

338 + kernel/drivers/net/phy/bcm-phy-lib.ko~
339 + kernel/drivers/net/phy/broadcom.ko~
340 + kernel/drivers/net/phy/fixed_phy.ko~
341 + kernel/drivers/net/phy/marvell10g.ko~
342 + kernel/drivers/net/phy/marvell.ko~
343 + kernel/drivers/net/phy/micrel.ko~
344 + kernel/drivers/net/phy/realtek.ko~
345 + kernel/drivers/net/phy/rockchip.ko~
346 + kernel/drivers/net/phy/smsc.ko~
347 + kernel/drivers/net/phy/vitesse.ko~
348 + kernel/drivers/net/mdio/acpi_mdio.ko~
349 + kernel/drivers/net/mdio/fwnode_mdio.ko~
350 + kernel/drivers/net/mdio/of_mdio.ko~
351 + kernel/drivers/net/mdio/mdio-bitbang.ko~
352 + kernel/drivers/net/mdio/mdio-cavium.ko~
353 + kernel/drivers/net/mdio/mdio-thunder.ko~
354 + kernel/drivers/net/mdio/mdio-mux.ko~
355 + kernel/drivers/net/mdio/mdio-mux-mmio.ko~
356 + kernel/drivers/net/pcs/pcs_xpcs.ko~
357 + kernel/drivers/net/tun.ko~
358 + kernel/drivers/net/tap.ko~
359 + kernel/drivers/net/veth.ko~
360 + kernel/drivers/net/virtio_net.ko~
361 + kernel/drivers/net/vxlan.ko~
362 + kernel/drivers/net/ethernet/amd/xgbe/amd-
xgbe.ko~
363 + kernel/drivers/net/ethernet/cadence/macb.ko~
364 + kernel/drivers/net/ethernet/cavium/common/
cavium_ptp.ko~
365 + kernel/drivers/net/ethernet/cavium/thunder/
thunder_xcv.ko~
366 + kernel/drivers/net/ethernet/cavium/thunder/
thunder_bgx.ko~
367 + kernel/drivers/net/ethernet/cavium/thunder/
nicpf.ko~
368 + kernel/drivers/net/ethernet/cavium/thunder/
nicvf.ko~
369 + kernel/drivers/net/ethernet/cavium/
octeontx-83xx/fpavf.ko~
370 + kernel/drivers/net/ethernet/cavium/
octeontx-83xx/fpavf.ko~
371 + kernel/drivers/net/ethernet/cavium/
octeontx-83xx/rst.ko~
372 + kernel/drivers/net/ethernet/cavium/
octeontx-83xx/ssopf.ko~
373 + kernel/drivers/net/ethernet/cavium/
octeontx-83xx/ssowpf.ko~
374 + kernel/drivers/net/ethernet/cavium/
octeontx-83xx/pkopf.ko~
375 + kernel/drivers/net/ethernet/cavium/
octeontx-83xx/lbk.ko~
376 + kernel/drivers/net/ethernet/cavium/
octeontx-83xx/timpf.ko~
377 + kernel/drivers/net/ethernet/cavium/
octeontx-83xx/pki.ko~
378 + kernel/drivers/net/ethernet/cavium/
octeontx-83xx/dpi.ko~
379 + kernel/drivers/net/ethernet/cavium/
octeontx-83xx/slipf.ko~
380 + kernel/drivers/net/ethernet/cavium/
octeontx-83xx/octeontx.ko~
381 + kernel/drivers/net/ethernet/hisilicon/

```



```

hns_mdio.ko~
382 + kernel/drivers/net/ethernet/hisilicon/hns/
hnae.ko~
383 + kernel/drivers/net/ethernet/hisilicon/hns/
hns_dsaf.ko~
384 + kernel/drivers/net/ethernet/hisilicon/hns/
hns_enet_drv.ko~
385 + kernel/drivers/net/ethernet/intel/e1000/
e1000.ko~
386 + kernel/drivers/net/ethernet/intel/e1000e/
e1000e.ko~
387 + kernel/drivers/net/ethernet/intel/igb/igb.ko~
388 + kernel/drivers/net/ethernet/intel/igbvf/
igbvf.ko~
389 + kernel/drivers/net/ethernet/intel/ixgbe/
ixgbe.ko~
390 + kernel/drivers/net/ethernet/intel/ixgbevf/
ixgbevf.ko~
391 + kernel/drivers/net/ethernet/intel/i40e/i40e.ko~
392 + kernel/drivers/net/ethernet/intel/ixgb/ixgb.ko~
393 + kernel/drivers/net/ethernet/intel/iavf/iavf.ko~
394 + kernel/drivers/net/ethernet/intel/fm10k/
fm10k.ko~
395 + kernel/drivers/net/ethernet/marvell/mvmdio.ko~
396 + kernel/drivers/net/ethernet/marvell/mvnet.ko~
397 + kernel/drivers/net/ethernet/marvell/sky2.ko~
398 + kernel/drivers/net/ethernet/marvell/octeontx2/
af/rvu_mbox.ko~
399 + kernel/drivers/net/ethernet/marvell/octeontx2/
af/rvu_af.ko~
400 + kernel/drivers/net/ethernet/marvell/octeontx2/
nic/rvu_nicpf.ko~
401 + kernel/drivers/net/ethernet/marvell/octeontx2/
nic/otx2_ptp.ko~
402 + kernel/drivers/net/ethernet/marvell/octeontx2/
nic/rvu_nicvf.ko~
403 + kernel/drivers/net/ethernet/marvell/octeontx2/
bphy/octeontx2_bphy_netdev.ko~
404 + kernel/drivers/net/ethernet/mellanox/mlx4/
mlx4_core.ko~
405 + kernel/drivers/net/ethernet/mellanox/mlx4/
mlx4_en.ko~
406 + kernel/drivers/net/ethernet/mellanox/mlx5/core/
mlx5_core.ko~
407 + kernel/drivers/net/ethernet/mellanox/mlxsw/
mlxsw_core.ko~
408 + kernel/drivers/net/ethernet/mellanox/mlxfw/
mlxfw.ko~
409 + kernel/drivers/net/ethernet/realtek/8139cp.ko~
410 + kernel/drivers/net/ethernet/realtek/8139too.ko~
411 + kernel/drivers/net/ethernet/smsc/smc91x.ko~
412 + kernel/drivers/net/ethernet/smsc/smc911x.ko~
413 + kernel/drivers/net/ethernet/stmicro/stmmac/
stmmac.ko~
414 + kernel/drivers/net/ethernet/stmicro/stmmac/
stmmac-platform.ko~
415 + kernel/drivers/net/ethernet/stmicro/stmmac/
dwmac-generic.ko~
416 + kernel/drivers/net/xen-netfront.ko~
417 + kernel/drivers/net/usb/pegasus.ko~
418 + kernel/drivers/net/usb/rtl8150.ko~
419 + kernel/drivers/net/usb/asix.ko~

```


A modules.builtin (initrd.img-5.10.0-33-rt-arm64.initrd)

```

210 kernel/drivers/input/mousedev.ko
211 kernel/drivers/input/keyboard/atkbd.ko
212 ~ kernel/drivers/input/mouse/psmouse.ko~
213 ~ kernel/drivers/input/touchscreen/
of_touchscreen.ko~
214 kernel/drivers/input/misc/xen-kbdfont.ko
215 kernel/drivers/rtc/rtc-ds1307.ko
216 kernel/drivers/rtc/rtc-efi.ko
217 kernel/drivers/rtc/rtc-max77686.ko
218 - kernel/drivers/rtc/rtc-pcf85063.ko~
219 - kernel/drivers/rtc/rtc-pcf8563.ko~
220 kernel/drivers/rtc/rtc-pl031.ko
221 ~ kernel/drivers/rtc/rtc-tegra.ko~
222 ~ kernel/drivers/rtc/rtc-xgene.ko~
223 kernel/drivers/i2c/i2c-core.ko
224 ~ kernel/drivers/i2c/busses/i2c-brcmstb.ko~
225 kernel/drivers/power/supply/power_supply.ko
226 kernel/drivers/hwmon/hwmon.ko
227 ~ kernel/drivers/thermal/tegra/tegra-soctherm.ko~
228 ~ kernel/drivers/thermal/amlogic_thermal.ko~
229 kernel/drivers/watchdog/watchdog.ko
230 ~ kernel/drivers/watchdog/pretimeout_noop.ko~
231 ~ kernel/drivers/accessibility/braille/
braille_console.ko~

```

B modules.builtin (initrd.img-5.15.72-ui-cn9670.initrd)

```

481 kernel/drivers/input/mousedev.ko
482 + kernel/drivers/input/evdev.ko~
483 kernel/drivers/input/keyboard/atkbd.ko
484 ~ kernel/drivers/input/keyboard/cros_ec_keyb.ko~
485 + kernel/drivers/input/keyboard/gpio_keys.ko~
486 ~ kernel/drivers/input/keyboard/
gpio_keys_polled.ko~
487 kernel/drivers/input/misc/xen-kbdfont.ko
488 + kernel/drivers/rtc/rtc-armada38x.ko~
489 kernel/drivers/rtc/rtc-ds1307.ko
490 + kernel/drivers/rtc/rtc-ds3232.ko~
491 kernel/drivers/rtc/rtc-efi.ko
492 kernel/drivers/rtc/rtc-max77686.ko
493 kernel/drivers/rtc/rtc-pl031.ko
494 ~ kernel/drivers/rtc/rtc-s35390a.ko~
495 ~ kernel/drivers/rtc/rtc-s5m.ko~
496 kernel/drivers/i2c/i2c-core.ko
497 ~ kernel/drivers/i2c/i2c-smbus.ko~
498 + kernel/drivers/i2c/i2c-dev.ko~
499 + kernel/drivers/i2c/i2c-mux.ko~
500 + kernel/drivers/i2c/algos/i2c-algo-bit.ko~
501 + kernel/drivers/i2c/busses/i2c-designware-
core.ko~
502 + kernel/drivers/i2c/busses/i2c-designware-
platform.ko~
503 + kernel/drivers/i2c/busses/i2c-mv64xxx.ko~
504 + kernel/drivers/i2c/busses/i2c-pxa.ko~
505 + kernel/drivers/i2c/busses/i2c-rk3x.ko~
506 + kernel/drivers/i2c/busses/i2c-thunderx.ko~
507 + kernel/drivers/i2c/busses/i2c-cros-ec-tunnel.ko~
508 + kernel/drivers/i2c/muxes/i2c-mux-pca954x.ko~
509 + kernel/drivers/pps/pps_core.ko~
510 + kernel/drivers/ptp/ptp.ko~
511 + kernel/drivers/ptp/ptp_kvm.ko~
512 + kernel/drivers/power/reset/reboot-mode.ko~
513 + kernel/drivers/power/reset/syscon-reboot-
mode.ko~
514 kernel/drivers/power/supply/power_supply.ko
515 + kernel/drivers/power/supply/bq27xxx_battery.ko~
516 + kernel/drivers/power/supply/
bq27xxx_battery_i2c.ko~
517 + kernel/drivers/power/supply/
cros_peripheral_charger.ko~
518 kernel/drivers/hwmon/hwmon.ko
519 ~ kernel/drivers/hwmon/hwmon-vid.ko~
520 + kernel/drivers/hwmon/adt7475.ko~
521 + kernel/drivers/hwmon/scmi-hwmon.ko~
522 + kernel/drivers/hwmon/jc42.ko~
523 + kernel/drivers/hwmon/pmbus/pmbus_core.ko~
524 ~ kernel/drivers/hwmon/pmbus/pmbus.ko~
525 kernel/drivers/watchdog/watchdog.ko
526 ~ kernel/drivers/watchdog/sbsa_gwdt.ko~
527 + kernel/drivers/md/linear.ko~
528 + kernel/drivers/md/raid0.ko~
529 + kernel/drivers/md/raid1.ko~
530 + kernel/drivers/md/raid456.ko~
531 + kernel/drivers/md/md-mod.ko~
532 + kernel/drivers/md/dm-mod.ko~
533 ~ kernel/drivers/md/dm-crypt.ko~

```

A modules.builtin (initrd.img-5.10.0-33-rt-arm64.initrd)

```

232 kernel/drivers/edac/edac_core.ko
233 kernel/drivers/cpufreq/freq_table.ko
234 kernel/drivers/cpufreq/cpufreq_performance.ko
235 ~ kernel/drivers/cpufreq/tegra124-cpufreq.ko~
236 kernel/drivers/mmc/core/mmc_core.ko
237 kernel/drivers/mmc/core/pwrseq_simple.ko
238 kernel/drivers/mmc/core/pwrseq_emmc.ko
239 kernel/drivers/mmc/core/mmc_block.ko
240 ~ kernel/drivers/leds/led-class.ko~
241 kernel/drivers/firmware/dmi-sysfs.ko
242 ~ kernel/drivers/firmware/raspberrypi.ko~
243 ~ kernel/drivers/mailbox/bcm2835-mailbox.ko~
244 ~ kernel/drivers/mailbox/hi3660-mailbox.ko~

```

B modules.builtin (initrd.img-5.15.72-ui-cn9670.initrd)

```

534 + kernel/drivers/bluetooth/hci_uart.ko~
535 kernel/drivers/edac/edac_core.ko
536 + kernel/drivers/edac/octeontx_edac.ko~
537 kernel/drivers/cpufreq/freq_table.ko
538 kernel/drivers/cpufreq/cpufreq_performance.ko
539 ~ kernel/drivers/cpufreq/cpufreq_userspace.ko~
540 + kernel/drivers/cpufreq/cpufreq-dt.ko~
541 + kernel/drivers/cpufreq/armada-37xx-cpufreq.ko~
542 + kernel/drivers/cpufreq/scmi-cpufreq.ko~
543 kernel/drivers/mmc/core/mmc_core.ko
544 kernel/drivers/mmc/core/pwrseq_simple.ko
545 kernel/drivers/mmc/core/pwrseq_emmc.ko
546 kernel/drivers/mmc/core/mmc_block.ko
547 ~ kernel/drivers/mmc/host/armmci.ko~
548 + kernel/drivers/mmc/host/sdhci.ko~
549 + kernel/drivers/mmc/host/sdhci-acpi.ko~
550 + kernel/drivers/mmc/host/mmc_spi.ko~
551 + kernel/drivers/mmc/host/of_mmc_spi.ko~
552 + kernel/drivers/mmc/host/thunderx-mmc.ko~
553 + kernel/drivers/mmc/host/dw_mmc.ko~
554 + kernel/drivers/mmc/host/dw_mmc-pltfm.ko~
555 + kernel/drivers/mmc/host/dw_mmc-exynos.ko~
556 + kernel/drivers/mmc/host/dw_mmc-k3.ko~
557 + kernel/drivers/mmc/host/sdhci-pltfm.ko~
558 + kernel/drivers/mmc/host/sdhci-cadence.ko~
559 + kernel/drivers/mmc/host/sdhci-of-araman.ko~
560 + kernel/drivers/mmc/host/cqhci.ko~
561 + kernel/drivers/mmc/host/sdhci-xenon-driver.ko~
562 kernel/drivers/firmware/dmi-sysfs.ko
563 ~ kernel/drivers/firmware/arm_scmi/scmi-module.ko~
564 + kernel/drivers/firmware/efi/efi-pstore.ko~
565 + kernel/drivers/firmware/efi/capsule-loader.ko~
566 + kernel/drivers/firmware/octeontx2/mub.ko~
567 + kernel/drivers/firmware/octeontx2/mub_gen.ko~
568 + kernel/drivers/firmware/octeontx2/mac_mgmt.ko~
569 + kernel/drivers/firmware/octeontx2/sfp-info.ko~
570 + kernel/drivers/firmware/octeontx2/retimer-
    mgmt.ko~
571 + kernel/drivers/firmware/octeontx2/rpram.ko~
572 + kernel/drivers/firmware/octeontx2/memtest.ko~
573 + kernel/drivers/firmware/octeontx2/avs_reset.ko~
574 + kernel/drivers/crypto/marvell/octeontx/
    octeontx-cpt.ko~
575 + kernel/drivers/crypto/marvell/octeontx/
    octeontx-cptvf.ko~
576 + kernel/drivers/crypto/marvell/octeontx2/
    rvu_cptpf.ko~
577 + kernel/drivers/crypto/marvell/octeontx2/
    rvu_cptvf.ko~
578 + kernel/drivers/hid/hid.ko~
579 + kernel/drivers/hid/hid-generic.ko~
580 + kernel/drivers/hid/hid-a4tech.ko~
581 + kernel/drivers/hid/hid-apple.ko~
582 + kernel/drivers/hid/hid-belkin.ko~
583 + kernel/drivers/hid/hid-cherry.ko~
584 + kernel/drivers/hid/hid-chicony.ko~
585 + kernel/drivers/hid/hid-cypress.ko~
586 + kernel/drivers/hid/hid-ezkey.ko~
587 + kernel/drivers/hid/hid-ite.ko~
588 + kernel/drivers/hid/hid-kensington.ko~
589 ~ kernel/drivers/hid/hid-microsoft.ko~
590 ~ kernel/drivers/hid/hid-monterey.ko~

```

A modules.builtin (initrd.img-5.10.0-33-rt-arm64.initrd)

```
245 ~ kernel/drivers/mailbox/hi6220-mailbox.ko~
246 ~ kernel/drivers/mailbox/zynqmp-ipi-mailbox.ko~
247 ~ kernel/drivers/mailbox/sun6i-msgbox.ko~
248 kernel/drivers/extcon/extcon-core.ko
249 ~ kernel/drivers/memory/tegra/tegra-mc.ko~
250 ~ kernel/drivers/perf/arm-cci.ko~
251 ~ kernel/drivers/perf/arm-ccn.ko~
252 ~ kernel/drivers/perf/hisilicon/
hisi_uncore_pmu.ko~
253 ~ kernel/drivers/perf/hisilicon/
hisi_uncore_l3c_pmu.ko~
254 ~ kernel/drivers/perf/hisilicon/
hisi_uncore_hha_pmu.ko~
255 ~ kernel/drivers/perf/hisilicon/
hisi_uncore_ddrc_pmu.ko~
256 kernel/drivers/nvmem/nvmem_core.ko
257 ~ kernel/net/802/fddi.ko~
```

B modules.builtin (initrd.img-5.15.72-ui-cn9670.initrd)

```
591 ~ kernel/drivers/hid/hid-redragon.ko~
592 + kernel/drivers/hid/usbhid/usbhid.ko~
593 + kernel/drivers/vhost/vhost_net.ko~
594 + kernel/drivers/vhost/vhost.ko~
595 + kernel/drivers/vhost/vhost_iotlb.ko~
596 + kernel/drivers/platform/chrome/cros_ec.ko~
597 + kernel/drivers/platform/chrome/
cros_ec_chardev.ko~
598 + kernel/drivers/platform/chrome/
cros_ec_lightbar.ko~
599 + kernel/drivers/platform/chrome/cros_ec_vbc.ko~
600 + kernel/drivers/platform/chrome/
cros_ec_debugfs.ko~
601 ~ kernel/drivers/platform/chrome/cros-ec-
sensorhub.ko~
602 + kernel/drivers/platform/chrome/cros_ec_sysfs.ko~
603 + kernel/drivers/platform/chrome/
cros_usbpd_notify.ko~
604 + kernel/drivers/mailbox/mvl_mhu.ko~
605 ~ kernel/drivers/mailbox/platform_mhu.ko~
606 + kernel/drivers/hwspinlock/hwspinlock_core.ko~
607 kernel/drivers/extcon/extcon-core.ko
608 ~ kernel/drivers/extcon/extcon-usb-gpio.ko~
609 + kernel/drivers/iio/industrialio.ko~
610 + kernel/drivers/perf/arm_smmuv3_pmu.ko~
611 + kernel/drivers/perf/arm_spe_pmu.ko~
612 ~ kernel/drivers/perf/marvell_cn10k_ddr_pmu.ko~
613 ~ kernel/drivers/perf/marvell_cn10k_tad_pmu.ko~
614 + kernel/drivers/hwtracing/coresight/coresight.ko~
615 + kernel/drivers/hwtracing/coresight/coresight-
tmc.ko~
616 ~ kernel/drivers/hwtracing/coresight/coresight-
funnel.ko~
617 ~ kernel/drivers/hwtracing/coresight/coresight-
replicator.ko~
618 ~ kernel/drivers/hwtracing/coresight/coresight-
etm4x.ko~
619 ~ kernel/drivers/hwtracing/coresight/otx2-cpu-
debug.ko~
620 kernel/drivers/nvmem/nvmem_core.ko
621 ~ kernel/drivers/tee/tee.ko~
622 + kernel/drivers/tee/optee/optee.ko~
623 + kernel/net/core/selftests.ko~
624 + kernel/net/core/failover.ko~
625 + kernel/net/llc/llc.ko~
626 + kernel/net/802/p8022.ko~
627 + kernel/net/802/psnap.ko~
628 + kernel/net/802/stp.ko~
629 + kernel/net/802/garp.ko~
630 + kernel/net/802/mrp.ko~
631 + kernel/net/sched/act_police.ko~
632 + kernel/net/sched/act_gact.ko~
633 + kernel/net/sched/act_mirred.ko~
634 + kernel/net/sched/act_skbedit.ko~
635 + kernel/net/sched/act_csum.ko~
636 + kernel/net/sched/act_mpls.ko~
637 + kernel/net/sched/act_vlan.ko~
638 + kernel/net/sched/act_bpf.ko~
639 + kernel/net/sched/sch_cbq.ko~
640 + kernel/net/sched/sch_htb.ko~
641 + kernel/net/sched/sch_hfsc.ko~
642 + kernel/net/sched/sch_ingress.ko~
```

```

643 + kernel/net/sched/sch_dsmark.ko~
644 + kernel/net/sched/sch_tbf.ko~
645 + kernel/net/sched/sch_prio.ko~
646 + kernel/net/sched/sch_multiq.ko~
647 + kernel/net/sched/sch_drr.ko~
648 + kernel/net/sched/sch_mqprio.ko~
649 + kernel/net/sched/sch_skbprio.ko~
650 + kernel/net/sched/sch_cbs.ko~
651 + kernel/net/sched/sch_taprio.ko~
652 + kernel/net/sched/cls_u32.ko~
653 + kernel/net/sched/cls_tcindex.ko~
654 + kernel/net/sched/cls_basic.ko~
655 + kernel/net/sched/cls_flow.ko~
656 + kernel/net/sched/cls_bpf.ko~
657 + kernel/net/sched/cls_flowlet.ko~
658 + kernel/net/sched/cls_matchall.ko~
659 + kernel/net/netfilter/nfnetlink.ko~
660 + kernel/net/netfilter/nfnetlink_acct.ko~
661 + kernel/net/netfilter/nfnetlink_queue.ko~
662 + kernel/net/netfilter/nfnetlink_log.ko~
663 + kernel/net/netfilter/nf_conntrack.ko~
664 + kernel/net/netfilter/nf_conntrack_netlink.ko~
665 + kernel/net/netfilter/nf_nat.ko~
666 + kernel/net/netfilter/x_tables.ko~
667 + kernel/net/netfilter/xt_tcpudp.ko~
668 + kernel/net/netfilter/xt_mark.ko~
669 + kernel/net/netfilter/xt_set.ko~
670 + kernel/net/netfilter/xt_nat.ko~
671 + kernel/net/netfilter/xt_NETMAP.ko~
672 + kernel/net/netfilter/xt_NFLOG.ko~
673 + kernel/net/netfilter/xt_NFQUEUE.ko~
674 + kernel/net/netfilter/xt_REDIRECT.ko~
675 + kernel/net/netfilter/xt_MASQUERADE.ko~
676 + kernel/net/netfilter/xt_addrtype.ko~
677 + kernel/net/netfilter/xt_comment.ko~
678 + kernel/net/netfilter/xt_connlabel.ko~
679 + kernel/net/netfilter/xt_iprange.ko~
680 + kernel/net/netfilter/xt_ipvs.ko~
681 + kernel/net/netfilter/xt_limit.ko~
682 + kernel/net/netfilter/xt_mac.ko~
683 + kernel/net/netfilter/xt_multiport.ko~
684 + kernel/net/netfilter/xt_policy.ko~
685 + kernel/net/netfilter/ipset/ip_set.ko~
686 + kernel/net/netfilter/ipset/ip_set_bitmap_ip.ko~
687 + kernel/net/netfilter/ipset/
    ip_set_bitmap_ipmac.ko~
688 + kernel/net/netfilter/ipset/
    ip_set_bitmap_port.ko~
689 + kernel/net/netfilter/ipset/ip_set_hash_ip.ko~
690 + kernel/net/netfilter/ipset/ip_set_hash_ipmac.ko~
691 + kernel/net/netfilter/ipset/
    ip_set_hash_ipmark.ko~
692 + kernel/net/netfilter/ipset/
    ip_set_hash_ipport.ko~
693 + kernel/net/netfilter/ipset/
    ip_set_hash_ipportip.ko~
694 + kernel/net/netfilter/ipset/
    ip_set_hash_ipportnet.ko~
695 + kernel/net/netfilter/ipset/ip_set_hash_mac.ko~
696 + kernel/net/netfilter/ipset/ip_set_hash_net.ko~
697 + kernel/net/netfilter/ipset/
    ip_set_hash_netport.ko~

```



```

258 kernel/net/ipv4/tcp_cubic.ko
259 kernel/net/unix/unix.ko
260 kernel/net/ipv6/ipv6.ko
261 ~ kernel/net/ipv6/mip6.ko~
262 kernel/net/packet/af_packet.ko
263 kernel/net/mpls/mpls_gso.ko
264

```

```

698 + kernel/net/netfilter/ipset/
ip_set_hash_netiface.ko~
699 + kernel/net/netfilter/ipset/
ip_set_hash_netnet.ko~
700 + kernel/net/netfilter/ipset/
ip_set_hash_netportnet.ko~
701 + kernel/net/netfilter/ipset/ip_set_list_set.ko~
702 + kernel/net/netfilter/ipvs/ip_vs.ko~
703 + kernel/net/ipv4/ip_tunnel.ko~
704 + kernel/net/ipv4/gre.ko~
705 + kernel/net/ipv4/udp_tunnel.ko~
706 + kernel/net/ipv4/ip_vti.ko~
707 + kernel/net/ipv4/ah4.ko~
708 + kernel/net/ipv4/esp4.ko~
709 + kernel/net/ipv4/ipcomp.ko~
710 + kernel/net/ipv4/xfrm4_tunnel.ko~
711 + kernel/net/ipv4/tunnel4.ko~
712 + kernel/net/ipv4/netfilter/nf_defrag_ipv4.ko~
713 + kernel/net/ipv4/netfilter/nf_reject_ipv4.ko~
714 + kernel/net/ipv4/netfilter/ip_tables.ko~
715 + kernel/net/ipv4/netfilter/iptables_filter.ko~
716 + kernel/net/ipv4/netfilter/iptables_nat.ko~
717 + kernel/net/ipv4/inet_diag.ko~
718 + kernel/net/ipv4/tcp_diag.ko~
719 + kernel/net/ipv4/udp_diag.ko~
720 + kernel/net/ipv4/raw_diag.ko~
721 kernel/net/ipv4/tcp_cubic.ko
722 + kernel/net/xfrm/xfrm_algo.ko~
723 + kernel/net/xfrm/xfrm_user.ko~
724 + kernel/net/xfrm/xfrm_ipcomp.ko~
725 kernel/net/unix/unix.ko
726 + kernel/net/unix/unix_diag.ko~
727 kernel/net/ipv6/ipv6.ko
728 ~ kernel/net/ipv6/netfilter/nf_defrag_ipv6.ko~
729 + kernel/net/ipv6/netfilter/nf_reject_ipv6.ko~
730 + kernel/net/ipv6/ip6_udp_tunnel.ko~
731 kernel/net/packet/af_packet.ko
732 + kernel/net/packet/af_packet_diag.ko~
733 + kernel/net/key/af_key.ko~
734 + kernel/net/bridge/bridge.ko~
735 + kernel/net/bluetooth/bluetooth.ko~
736 + kernel/net/bluetooth/rfcomm/rfcomm.ko~
737 + kernel/net/bluetooth/bnep/bnep.ko~
738 + kernel/net/bluetooth/hidp/hidp.ko~
739 + kernel/net/8021q/8021q.ko~
740 + kernel/net/rfkill/rfkill.ko~
741 + kernel/net/9p/9pnet.ko~
742 + kernel/net/9p/9pnet_virtio.ko~
743 + kernel/net/dns_resolver/dns_resolver.ko~
744 kernel/net/mpls/mpls_gso.ko
745 + kernel/virt/lib/irqbypass.ko~
746

```