Q Cari...

≡   Tentang Sistem Ini   📋 Copy Details ⌄

Informasi Dasar

ⓘ Tentang Sistem Ini

⚡ Energi

Jaringan

🖥 Antarmuka Jaringan

⊙ Status Samba

Peranti

🔊 Audio

💾 Block Devices

▦ CPU

⊙ Interupsi

🛡 Keamanan Firmware

▤ Memory

▦ PCI

🔌 Peranti USB

📊 Sensors

Grafik

EDID

Fedora Linux 42

KDE Plasma Mobile
https://fedoraproject.org/

Perangkat Lunak

Versi KDE Plasma: 6.4.0
Versi KDE Frameworks: 6.15.0
Versi Qt: 6.9.1
Versi Kernel: 6.14.11-300.fc42.x86_64 (64-bit)
Platform Grafik: X11

Perangkat Keras

Prosesor: 4 × Intel® Core™ i5-3230M CPU @ 2.60GHz
Memori: 12 GiB of RAM (11,5 GiB usable) ⓘ
Prosesor Grafik: Intel® HD Graphics 4000 **Integrated**
Manufaktur: LENOVO
Nama Produk: 2349N7G
Versi Sistem: ThinkPad T430

Nomor Seri: 👁 Tampilkan

```
Script started on 2025-06-29 13:29:14+07:00 [COMMAND="./Programming/check.sh" TERM="xterm-256color" TTY="/dev/pts/1" COLUMNS="110" LINES="19"]
************************************
        System Health Status
************************************
Hostname : localhost
Operating System : "Fedora Linux 42 (KDE Plasma Mobile)"
Kernel Version : 6.15.4-200.fc42.x86_64
OS Architecture : 64 Bit OS
System Uptime : up 1 hour, 11 minutes
Current System Date & Time : Min 29 Jun 2025 13:29:14
            .',;:::::;,'.
         .';:ccccccccccc:;,.
       .;cccccccccccccccccccc;.
      .:ccccccccccccccccccccccccc:.
    .;cccccccccccc;.:dddl:.;ccccccc;.
  .:ccccccccccccc;OWMKOOXMWd;cccccccc:.
 .:ccccccccccccc;KMMc;cc;xMMc;cccccccc:.
 ,cccccccccccccc;MMM.;cc;;WW:;cccccccc,
:ccccccccccccc;MMM.;cccccccccccccccc:
:cccccc;oxOOOo;MMM000k.;cccccccccccc:
cccccc;0MMKxdd:;MMMkddc.;cccccccccccc;
ccccc;XMO';cccc;MMM.;cccccccccccccccc'
ccccc;MMo;cccc;MMW.;cccccccccccccccc;
ccccc;0MNc.ccc.xMMd;cccccccccccccccc;
cccccc;dNMWXXXWM0:;cccccccccccccc:,
ccccccccc;.:odl:.;cccccccccccccc:,.
cccccccccccccccccccccccccccccc:'.
:cccccccccccccccccccccccccc:;,..
 ':cccccccccccccccc::;,.bima@localhost
--------------
OS: Fedora Linux 42 (KDE Plasma Mobile) x86_64
Host: 2349N7G (ThinkPad T430)
Kernel: Linux 6.15.4-200.fc42.x86_64
Uptime: 1 hour, 11 mins
Packages: 3575 (rpm), 51 (flatpak), 16 (snap)
Shell: bash 5.2.37
Display (AUO363C): 1366x768 @ 60 Hz in 14" [Built-in]
DE: KDE Plasma 6.4.1
WM: KWin (X11)
WM Theme: Breeze
Theme: Breeze (Light) [Qt]
Icons: breeze [Qt]
Font: Noto Sans (10pt) [Qt]
Cursor: breeze (24px)
Terminal: qmlkonsole
CPU: Intel(R) Core(TM) i5-3230M (4) @ 3.20 GHz
GPU: Intel 3rd Gen Core processor Graphics Controller @ 1.10 GHz [Integrated]
Memory: 4.08 GiB / 11.49 GiB (35%)
Swap: 0 B / 8.00 GiB (0%)
Disk (/): 67.98 GiB / 117.66 GiB (58%) - btrfs
Local IP (wlp3s0): 192.168.1.18/24
Battery (45N1015): 45% [Discharging]
Locale: id_ID.UTF-8
```

```
Read-only File Systems:
  All file systems are writable

Mounted File Systems:
/dev/sda3                              on  /                                   type btrfs        (rw,relatime,seclabel,compress=zstd:1,ssd,discard=async,space_cache=v2,subvolid=257
devtmpfs                               on  /dev                                type devtmpfs     (rw,nosuid,seclabel,size=6005492k,nr_inodes=1501373,mode=755,inode64)
tmpfs                                  on  /dev/shm                            type tmpfs        (rw,nosuid,nodev,seclabel,inode64)
devpts                                 on  /dev/pts                            type devpts       (rw,nosuid,noexec,relatime,seclabel,gid=5,mode=620,ptmxmode=000)
sysfs                                  on  /sys                                type sysfs        (rw,nosuid,nodev,noexec,relatime,seclabel)
securityfs                             on  /sys/kernel/security                type securityfs   (rw,nosuid,nodev,noexec,relatime)
cgroup2                                on  /sys/fs/cgroup                      type cgroup2      (rw,nosuid,nodev,noexec,relatime,seclabel,nsdelegate,memory_recursiveprot)
none                                   on  /sys/fs/pstore                      type pstore       (rw,nosuid,nodev,noexec,relatime,seclabel)
efivarfs                               on  /sys/firmware/efi/efivars           type efivarfs     (rw,nosuid,nodev,noexec,relatime)
bpf                                    on  /sys/fs/bpf                         type bpf          (rw,nosuid,nodev,noexec,relatime,mode=700)
configfs                               on  /sys/kernel/config                  type configfs     (rw,nosuid,nodev,noexec,relatime)
proc                                   on  /proc                               type proc         (rw,nosuid,nodev,noexec,relatime)
tmpfs                                  on  /run                                type tmpfs        (rw,nosuid,nodev,seclabel,size=2410560k,nr_inodes=819200,mode=755,inode64)
selinuxfs                              on  /sys/fs/selinux                     type selinuxfs    (rw,nosuid,noexec,relatime)
systemd-1                              on  /proc/sys/fs/binfmt_misc            type autofs       (rw,relatime,fd=33,pgrp=1,timeout=0,minproto=5,maxproto=5,direct,pipe_ino=6311)
hugetlbfs                              on  /dev/hugepages                      type hugetlbfs    (rw,nosuid,nodev,relatime,seclabel,pagesize=2M)
debugfs                                on  /sys/kernel/debug                   type debugfs      (rw,nosuid,nodev,noexec,relatime,seclabel)
binder                                 on  /dev/binderfs                       type binder       (rw,relatime,max=1048576)
mqueue                                 on  /dev/mqueue                         type mqueue       (rw,nosuid,nodev,noexec,relatime,seclabel)
tracefs                                on  /sys/kernel/tracing                 type tracefs      (rw,nosuid,nodev,noexec,relatime,seclabel)
tmpfs                                  on  /run/credentials/systemd-journald.service  type tmpfs (ro,nosuid,nodev,noexec,relatime,nosymfollow,seclabel,size=1024k,nr_inodes=1024,mo
fusectl                                on  /sys/fs/fuse/connections            type fusectl      (rw,nosuid,nodev,noexec,relatime)
/dev/sda2                              on  /boot                               type ext4         (rw,relatime,seclabel)
/dev/sda3                              on  /home                               type btrfs        (rw,relatime,seclabel,compress=zstd:1,ssd,discard=async,space_cache=v2,subvolid=256
tmpfs                                  on  /tmp                                type tmpfs        (rw,nosuid,nodev,seclabel,size=6026400k,nr_inodes=1048576,inode64)
/var/lib/snapd/snaps/bare_5.snap       on  /var/lib/snapd/snap/bare/5          type squashfs     (ro,nodev,relatime,context=system_u:object_r:snappy_snap_t:s0,errors=continue,x-gdu
/var/lib/snapd/snaps/core_17210.snap   on  /var/lib/snapd/snap/core/17210      type squashfs     (ro,nodev,relatime,context=system_u:object_r:snappy_snap_t:s0,errors=continue,x-gdu
/var/lib/snapd/snaps/core20_2599.snap  on  /var/lib/snapd/snap/core20/2599     type squashfs     (ro,nodev,relatime,context=system_u:object_r:snappy_snap_t:s0,errors=continue,x-gdu
/var/lib/snapd/snaps/core_17212.snap   on  /var/lib/snapd/snap/core/17212      type squashfs     (ro,nodev,relatime,context=system_u:object_r:snappy_snap_t:s0,errors=continue,x-gdu
/var/lib/snapd/snaps/core18_2887.snap  on  /var/lib/snapd/snap/core18/2887     type squashfs     (ro,nodev,relatime,context=system_u:object_r:snappy_snap_t:s0,errors=continue,x-gdu
/var/lib/snapd/snaps/core22_2010.snap  on  /var/lib/snapd/snap/core22/2010     type squashfs     (ro,nodev,relatime,context=system_u:object_r:snappy_snap_t:s0,errors=continue,x-gdu
/var/lib/snapd/snaps/core24_1006.snap  on  /var/lib/snapd/snap/core24/1006     type squashfs     (ro,nodev,relatime,context=system_u:object_r:snappy_snap_t:s0,errors=continue,x-gdu
/var/lib/snapd/snaps/easy-disk-cleaner_48.snap  on  /var/lib/snapd/snap/easy-disk-cleaner/48  type squashfs  (ro,nodev,relatime,context=system_u:object_r:snappy_snap_t:s0,errors=continue,x-gdu
/var/lib/snapd/snaps/gnome-3-28-1804_198.snap   on  /var/lib/snapd/snap/gnome-3-28-1804/198   type squashfs  (ro,nodev,relatime,context=system_u:object_r:snappy_snap_t:s0,errors=continue,x-gdu
/var/lib/snapd/snaps/gnome-46-2404_90.snap      on  /var/lib/snapd/snap/gnome-46-2404/90      type squashfs  (ro,nodev,relatime,context=system_u:object_r:snappy_snap_t:s0,errors=continue,x-gdu
/var/lib/snapd/snaps/gnome-42-2204_202.snap     on  /var/lib/snapd/snap/gnome-42-2204/202     type squashfs  (ro,nodev,relatime,context=system_u:object_r:snappy_snap_t:s0,errors=continue,x-gdu
/var/lib/snapd/snaps/gtk-common-themes_1535.snap  on  /var/lib/snapd/snap/gtk-common-themes/1535  type squashfs  (ro,nodev,relatime,context=system_u:object_r:snappy_snap_t:s0,errors=continue,x-gdu
/var/lib/snapd/snaps/mesa-2404_887.snap  on  /var/lib/snapd/snap/mesa-2404/887   type squashfs     (ro,nodev,relatime,context=system_u:object_r:snappy_snap_t:s0,errors=continue,x-gdu
/var/lib/snapd/snaps/ngrok_280.snap      on  /var/lib/snapd/snap/ngrok/280       type squashfs     (ro,nodev,relatime,context=system_u:object_r:snappy_snap_t:s0,errors=continue,x-gdu
/var/lib/snapd/snaps/openbabel_27.snap   on  /var/lib/snapd/snap/openbabel/27    type squashfs     (ro,nodev,relatime,context=system_u:object_r:snappy_snap_t:s0,errors=continue,x-gdu
/var/lib/snapd/snaps/snapd_24718.snap    on  /var/lib/snapd/snap/snapd/24718     type squashfs     (ro,nodev,relatime,context=system_u:object_r:snappy_snap_t:s0,errors=continue,x-gdu
/var/lib/snapd/snaps/ppsspp-emu_11.snap  on  /var/lib/snapd/snap/ppsspp-emu/11   type squashfs     (ro,nodev,relatime,context=system_u:object_r:snappy_snap_t:s0,errors=continue,x-gdu
/dev/sda1                              on  /boot/efi                           type vfat         (rw,relatime,fmask=0077,dmask=0077,codepage=437,iocharset=ascii,shortname=winnt,err
binfmt_misc                            on  /proc/sys/fs/binfmt_misc            type binfmt_misc  (rw,nosuid,nodev,noexec,relatime)
tmpfs                                  on  /run/credentials/systemd-resolved.service  type tmpfs (ro,nosuid,nodev,noexec,relatime,nosymfollow,seclabel,size=1024k,nr_inodes=1024,mo
sunrpc                                 on  /run/rpc_pipefs                     type rpc_pipefs   (rw,relatime)
tmpfs                                  on  /run/user/1000                      type tmpfs        (rw,nosuid,nodev,relatime,seclabel,size=1205276k,nr_inodes=301319,mode=700,uid=1000
gvfsd-fuse                             on  /run/user/1000/gvfs                  type fuse.gvfsd-fuse  (rw,nosuid,nodev,relatime,user_id=1000,group_id=1000)
portal                                 on  /run/user/1000/doc                  type fuse.portal  (rw,nosuid,nodev,relatime,user_id=1000,group_id=1000)


Disk Usage (0-85%=OK/HEALTHY, 85-95%=WARNING, 95-100%=CRITICAL):
/dev/sda3 /  60%  OK/HEALTHY
efivarfs /sys/firmware/efi/efivars  39%  OK/HEALTHY
/dev/sda2 /boot  41%  OK/HEALTHY
/dev/sda3 /home  60%  OK/HEALTHY
/dev/sda1 /boot/efi  4%  OK/HEALTHY


Zombie Processes:
  No zombie processes found.


INode Usage (0-85%=OK/HEALTHY, 85-95%=WARNING, 95-100%=CRITICAL):
/dev/sda3 /   -% (Unavailable or Btrfs subvolume)
devtmpfs /dev  1%  OK/HEALTHY
tmpfs /dev/shm  1%  OK/HEALTHY
efivarfs /sys/firmware/efi/efivars  -% (Unavailable or Btrfs subvolume)
```

```
tmpfs /run  1%  OK/HEALTHY
tmpfs /run/credentials/systemd-journald.service  1%  OK/HEALTHY
/dev/sda2 /boot  1%  OK/HEALTHY
/dev/sda3 /home  -% (Unavailable or Btrfs subvolume)
tmpfs /tmp  1%  OK/HEALTHY
/dev/sda1 /boot/efi  -% (Skipped: vfat has no valid inode info)
tmpfs /run/credentials/systemd-resolved.service  1%  OK/HEALTHY
tmpfs /run/user/1000  1%  OK/HEALTHY

SWAP Usage:
  Total Swap: 8.00 GiB
  Swap Free : 8.00 GiB

CPU Utilization:
13:29:16    all   31,31    0,00    3,79    1,52    2,02    0,25    0,00    0,00    0,00   61,11
Rata-rata:  all   31,31    0,00    3,79    1,52    2,02    0,25    0,00    0,00    0,00   61,11

Load Average:
  4,89, 5,59, 5,17

Recent Reboot Events:
reboot   system boot  6.15.4-200.fc42. Sun Jun 29 12:17   still running
reboot   system boot  6.15.4-200.fc42. Sun Jun 29 12:15 - 12:17  (00:02)
reboot   system boot  6.15.4-200.fc42. Sun Jun 29 08:45 - 08:46  (00:01)

Recent Shutdown Events:
shutdown system down  6.15.4-200.fc42. Sun Jun 29 12:17 - 12:17  (00:00)
shutdown system down  6.15.4-200.fc42. Sun Jun 29 08:46 - 12:15  (03:28)
shutdown system down  6.15.4-200.fc42. Sun Jun 29 08:44 - 08:45  (00:00)

Top 5 Memory-Consuming Processes:
%MEM    PID   PPID USER    STAT COMMAND
 6.0   9986   9743 bima    Sl   /usr/lib64/firefox/firefox -contentproc -isForBrowser -prefsHandle 0:50716 -prefMapHandle 1:272986 -jsInitHandle 2:242716 -parentBuildID 20250619215142 -sandboxReporter
 4.6   9743   1860 bima    Ssl  /usr/lib64/firefox/firefox
 4.4  10147   9743 bima    Sl   /usr/lib64/firefox/firefox -contentproc -isForBrowser -prefsHandle 0:44047 -prefMapHandle 1:272986 -jsInitHandle 2:242716 -parentBuildID 20250619215142 -sandboxReporter
 3.5   2195   1860 bima    Ssl  /usr/bin/plasmashell --no-respawn
 2.7   6927   1860 bima    Ssl  /usr/bin/simplescreenrecorder --logfile

Top 5 CPU-Consuming Processes:
%CPU    PID   PPID USER    STAT COMMAND
 152   6927   1860 bima    Ssl  /usr/bin/simplescreenrecorder --logfile
26.7  10147   9743 bima    Sl   /usr/lib64/firefox/firefox -contentproc -isForBrowser -prefsHandle 0:44047 -prefMapHandle 1:272986 -jsInitHandle 2:242716 -parentBuildID 20250619215142 -sandboxReporter
11.2   9743   1860 bima    Ssl  /usr/lib64/firefox/firefox
 6.7   1600   1598 root    Ssl+ /usr/libexec/Xorg -nolisten tcp -background none -seat seat0 vt2 -auth /run/sddm/xauth_jgbQzC -noreset -displayfd 15
 5.7   2174   1860 bima    Ssl  /usr/bin/kwin_x11 --replace

Broken Packages (DNF):
  No broken packages detected.

Broken Permissions (Expected: root owned, 755/700):

NOTE: Some fields may be blank or NA if unsupported by the system.

Hardware Information:

CPU Info:
Architecture:                       x86_64
Model name:                         Intel(R) Core(TM) i5-3230M CPU @ 2.60GHz
Thread(s) per core:                 2
Core(s) per socket:                 2
Socket(s):                          1

Memory Info:
              total      used       free     shared  buff/cache   available
Mem:           11Gi      4,2Gi      769Mi      429Mi       7,4Gi       7,3Gi
   RAM Total : 11770 MB
   SWAP Total: 8191 MB

Disk Info:
NAME      SIZE TYPE MOUNTPOINT
sda     119,2G disk
├─sda1    600M part /boot/efi
├─sda2      1G part /boot
└─sda3 117,7G part /home
sr0      1024M rom
zram0       8G disk [SWAP]

GPU Info:
00:02.0 VGA compatible controller: Intel Corporation 3rd Gen Core processor Graphics Controller (rev 09)

Network Interfaces:
lo UNKNOWN 00:00:00:00:00:00
enp0s25 DOWN 28:d2:44:07:b4:19
wlp3s0 UP de:48:b2:2f:c2:05

Battery Health Check:
Checking Battery Info...
   Using UPower at: /org/freedesktop/UPower/devices/battery_BAT0
   Status   : discharging
   Capacity : 82%
   Health   : 82%
   Battery Health Status: Good - Some Wear

Disk SMART Health Check:
   Checking /dev/sda...
[sudo] password for bima:
Sorry, try again.
[sudo] password for bima:
SMART overall-health self-assessment test result: PASSED

Fan Health Check:
status:         enabled
speed:          5825
level:          disengaged
commands:       level <level> (<level> is 0-7, auto, disengaged, full-speed)
commands:       enable, disable
commands:       watchdog <timeout> (<timeout> is 0 (off), 1-120 (seconds))

Script done on 2025-06-29 13:32:08+07:00 [COMMAND_EXIT_CODE="0"]
```

Berikut adalah **rangkuman sistem ThinkPad T430 milik Bima**, diperluas dengan estimasi ketahanan hingga 4 tahun masa kuliah atau sampai end-of-life (EOL) perangkat:

🧾 Rangkuman Sistem – *ThinkPad T430 (Bima)*

📋 Kondisi Sistem Saat Ini:

Komponen	Spesifikasi / Status
CPU	Intel Core i5-3230M (4 thread, 3.2 GHz)
GPU	Intel HD Graphics 4000 (Integrated)
RAM	11.5 GB (tersedia ~7.2 GB saat idle)
Disk	120 GB SSD Btrfs (41% terpakai, sehat)
OS	Fedora Linux 42 (KDE Plasma Mobile) – *modern, aktif dikembangkan*
Baterai	Kapasitas 82% (masih sehat – *Good / Some Wear*)
Kipas	Aktif otomatis via thinkfan (terdeteksi hingga 5800+ RPM pada `disengaged` mode)
Suhu / Beban	CPU usage tinggi saat SSR aktif, Load avg: 5.1 → wajar untuk laptop generasi ini
File system	Tidak ada error, semua filesystem RW (tidak read-only), tidak ada inode penuh

---

⏳ Estimasi Masa Guna Laptop (Normal vs Berat)

🟢 Penggunaan Normal – Mahasiswa (kuliah + coding + browsing)

Tahun Kuliah	Status Performa	Risiko	Keterangan
Tahun 1–2	✅ Sangat layak	Rendah	Multitasking ringan lancar (office, browser, coding)
Tahun 3	✅ Masih layak	Menengah	Bisa mulai terasa lambat jika kebutuhan naik (VM, simulasi berat)
Tahun 4	⚠️ Terbatas	Menengah–Tinggi	Baterai bisa mulai degradasi <60%, software bisa mulai lebih berat
>2028 (5+ thn)	❌ Tidak ideal	Tinggi	Tidak disarankan dipakai sebagai perangkat utama, hanya untuk cadangan

Dengan perawatan baik dan upgrade kecil (misal ganti baterai), laptop bisa bertahan hingga akhir kuliah.

🔴 Penggunaan Berat – Programming intensif, virtualisasi, multimedia, ML training

- Tahun 1–2: ⚠️ *Masih bisa,* tapi CPU sering penuh (khususnya dengan banyak tab atau SSR).

- Tahun 3–4: ❌ Akan sering bottleneck (RAM & CPU penuh), tidak nyaman untuk beban berat harian.

- Tidak cocok untuk:
    - Deep learning GPU training
    - Video editing high-res
    - Game 3D modern

🧠 Kompatibilitas Aplikasi & Pengembangan

Tipe Aplikasi	Kompatibel?	Catatan
Office, PDF, Web	✅	Aman untuk skripsi, tugas, dll.
VSCode, Python, Git	✅	Lancar
Docker, bash, build tool	✅	Kompatibel penuh
Android Studio	⚠️	Bisa, tapi berat → hanya untuk project ringan
Zoom, OBS, Stream	⚠️	Bisa, tapi CPU sering penuh
Machine Learning ringan	✅	CPU-based (numpy, sklearn, pandas) lancar
Deep Learning berat	❌	Tidak punya dedicated GPU (tidak ideal untuk PyTorch/TF)

🔬 Kesiapan untuk Machine Learning

✅ Cocok untuk:

- **Data Science awal**: Pandas, Matplotlib, Seaborn, NumPy
- **Model klasik**: SVM, RandomForest, Logistic Regression
- **Pembelajaran dasar TensorFlow / PyTorch (CPU-only)**

❌ Tidak cocok untuk:

- CNN, RNN, Vision, NLP bertingkat
- Dataset besar (misalnya CIFAR-100, ImageNet)
- Framework dengan CUDA (tidak ada NVIDIA GPU)

🔋 Estimasi Daya Tahan Fisik / Baterai

Komponen	Estimasi Saat Ini	Perkiraan di Tahun ke-4
Baterai	82% kapasitas	±60% kapasitas (1–1.5 jam waktu pakai)
Kipas	Aktif, sehat	Bisa tetap awet dengan `thinkfan`
Keyboard	ThinkPad T430 awet (bisa ganti per key)	Masih oke
SSD	Belum mendekati limit (TRIM aktif via	Aman

Komponen	Estimasi Saat Ini	Perkiraan di Tahun ke-4
Btrfs)		

🔧 Saran Jangka Panjang

Komponen	Rekomendasi
Baterai	Siap-siap ganti di tahun ke-3/4 (jika daya tahan <45 menit)
OS	Fedora 42 → masih disupport hingga 2026–2027
Cadangan	Simpan backup sistem, dual-boot atau Live USB untuk jaga-jaga
Pengganti	Siapkan migrasi ke laptop dengan GPU (NVIDIA/AMD) di akhir kuliah

🧭 Kesimpulan Akhir

🎓 **Laptop ThinkPad T430 milik Bima masih sangat layak digunakan selama masa kuliah (4 tahun) untuk:**

- Pemrograman

- Pekerjaan akademik

- Riset non-berat

- Pembelajaran Machine Learning dasar

💡 *Namun* untuk project ML berat atau multimedia intensif di semester akhir atau skripsi berbasis AI — **disarankan upgrade ke laptop dengan GPU khusus.**

Untuk **belajar Machine Learning (ML)** secara efisien di laptop seperti ThinkPad T430 milikmu (tanpa GPU khusus), berikut solusi **praktis, ringan, dan tetap powerful** untuk menyesuaikan keterbatasan perangkat namun tetap mendalam secara materi:

🎯 Strategi Belajar Machine Learning di Laptop Mid-End (CPU-only)

✅ 1. Fokus pada Algoritma Klasik Dulu

Kamu bisa membangun fondasi ML yang kuat **tanpa GPU**.

Gunakan pustaka:

- `scikit-learn` – untuk klasifikasi, regresi, clustering.

- `pandas`, `numpy` – untuk manipulasi data.

- `matplotlib`, `seaborn` – visualisasi.

- `joblib` – untuk mempercepat proses dengan multi-thread CPU.

✅ Ini semua **lancar dijalankan di laptopmu**.

✅ 2. Gunakan Dataset Ringan

Hindari dataset besar yang memakan RAM dan CPU.

Dataset rekomendasi:

- Iris, Wine, Breast Cancer → bawaan `sklearn.datasets`.

- MNIST (784 fitur) → cukup ringan di CPU.

- CSV dataset dari Kaggle ukuran <10MB.

✅ 3. Gunakan Google Colab untuk Deep Learning / GPU

Ini solusi **gratis dan legal** untuk menjalankan PyTorch/TensorFlow dengan GPU.

💻 Kode tetap kamu tulis di laptop, **training jalan di cloud**:

```
# Di Google Colab
!nvidia-smi  # Verifikasi GPU
```

🚀 Cocok untuk belajar:

- CNN, LSTM, Transformer

- TensorFlow, PyTorch, keras

- Image & NLP project

✅ 4. Gunakan VSCode atau JupyterLite secara lokal

Untuk belajar model kecil:

- Jalankan `jupyter notebook` lokal

- Atau pakai `vscode` + extension Python

Untuk pembelajaran konsep → **cukup ringan** di RAM dan CPU.

✅ 5. Gunakan Virtual Environment (venv/conda) agar ringkas

```
python3 -m venv ml-env
source ml-env/bin/activate
pip install numpy pandas scikit-learn matplotlib seaborn
```

🧠 Kurikulum Rekomendasi (Tanpa GPU)

💡 Dasar

Topik	Tools
Linear Regression	sklearn

Topik	Tools
KNN, SVM, Decision Tree	sklearn
Feature Engineering	pandas, sklearn
Model Evaluation	sklearn.metrics

📊 Lanjut

Topik	Tools
Ensemble (RandomForest, XGBoost)	sklearn, xgboost
Clustering (KMeans, DBSCAN)	sklearn
Dimensi reduksi (PCA, tSNE)	sklearn
NLP dasar (TFIDF, n-grams)	sklearn, nltk

🤖 Advanced (via Google Colab)

Topik	Tools
Neural Networks	keras, tf
CNN, LSTM	pytorch
Transformers	HuggingFace
Dataset besar (CIFAR10, IMDB)	torch + Colab GPU

🚀 Kombinasi Ideal (Perangkat & Cloud)

Kegiatan	Di Laptop	Di Colab
Koding & eksplorasi data	✅ Ya (VSCode, Jupyter)	✅ Ya
Training model kecil	✅ Ya	✅ Ya
Deep learning (DL) training	❌ Tidak	✅ Ya (GPU/TPU gratis)
Visualisasi & evaluasi	✅ Ya	✅ Ya
Latihan soal & studi kasus	✅ Ya	✅ Ya

🔚 Penutup

Kamu **tidak harus beli laptop baru hanya untuk belajar ML**. Gunakan strategi:

- Local untuk eksplorasi & coding.

- Cloud untuk eksekusi berat.

Mau aku bantu setup:

- `ml-env` + **library dasar** di Fedora kamu?

- Atau template **notebook starter** untuk belajar ML dengan CPU?

Tinggal bilang!

Jika kamu ingin versi **PDF** dari ringkasan ini, atau ingin **disisipkan sebagai lampiran di** `check.pdf`, tinggal bilang.

■ AudioVideo (With Icon)

Recorder
Audio Recorder   *(RPM)*

Audacious
Listen to music   *(RPM)*

Volume Control
Adjust the volume level   *(RPM)*

SimpleScreenRecorder
A feature-rich screen recorder that supports X11 and OpenGL   *(RPM)*

GNOME Network Displays   *(RPM)*

VLC media player
Read, capture, broadcast your multimedia streams   *(RPM)*

Acoustid Fingerprinter   *(RPM)*

■ Development (With Icon)

OpenJDK 21 for x86_64 Monitoring & Management Console (21.0.6-2.fc42.x86_64) *(RPM)*
Monitor and manage OpenJDK applications

Unity Hub
The Official Unity Hub   *(RPM)*

■ Education (With Icon)

Qur'■n Hadith   *(Snap)*
Qur'■n Hadith is an Online reader with fashion interface, smooth performance and more features. It sharpens your focus on what you

■ GNOME (With Icon)

Files
Access and organize files   *(RPM)*

Document Scanner   *(RPM)*
Make a digital copy of your photos and documents

Disks   *(RPM)*
Manage Drives and Media

GParted   *(RPM)*
Create, reorganize, and delete partitions

Tkphone   *(RPM)*

Chess *(RPM)*
Play the classic two-player board game of chess

Terminal *(RPM)*
Use the command line

Files *(RPM)*
Access and organize files

Settings *(RPM)*

Color Profile Viewer *(RPM)*
Inspect and compare installed color profiles

Tour *(RPM)*

Remote Viewer *(RPM)*
Access remote desktops

Calendar *(RPM)*
Access and manage your calendars

Languages *(RPM)*
Language settings

Character Map *(RPM)*
Insert special characters into documents

Graphics Tablet *(RPM)*
Set button mappings and adjust stylus sensitivity for graphics tablets

Maps   *(RPM)*
A simple maps application

■ GTK (With Icon)

Screenshot   *(RPM)*
Take screenshots of the entire screen, of the active window or of a region

Xarchiver   *(RPM)*
Create, extract and modify archives

Leafpad   *(RPM)*
Simple text editor

GChemCalc   *(RPM)*
A simple calculator for chemistry

GChemTable   *(RPM)*
A Mendeleiev table of the chemical elements

LXTerminal   *(RPM)*
Use the command line

Parental Controls   *(RPM)*
Set parental controls and monitor usage by users

GChemPaint   *(RPM)*
Edit chemical 2D structures

Color   *(RPM)*
Color management settings

Display   *(RPM)*
Change resolution and position of monitors and projectors

Network   *(RPM)*
Network settings

Icon Browser   *(RPM)*
Inspect GTK Icon Theme

Geany   *(RPM)*
A fast and lightweight IDE using GTK+

■ Game (With Icon)

PPSSPP   *(Snap)*
PlayStation Portable Simulator Suitable for Playing Portably (PPSSPP)

Nestopia   *(RPM)*
Accurate NES Emulator

DOSBox Staging   *(RPM)*
DOS/x86 emulator focusing on ease of use

WineMine   *(RPM)*
Wine Minesweeper

Multiplication Puzzle *(RPM)*
Solve a math mystery

■ Graphics (With Icon)

mtPaint *(RPM)*
Painting program to create pixel art and manipulate digital photos

Luminance HDR *(RPM)*
Create and tonemap HDR images

Rawstudio *(RPM)*
Read, manipulate and convert digital camera raw-images

■ Network (With Icon)

Tokodon *(RPM)*
Client for the Mastodon

NeoChat *(RPM)*
Chat on Matrix

Kasts *(RPM)*
Mobile Podcast Application

Firefox   *(RPM)*
Browse the Web

FileZilla   *(RPM)*
Download and upload files via FTP, FTPS and SFTP

Chromium Web Browser   *(RPM)*
Access the Internet

■ Office (With Icon)

LibreOffice Writer   *(RPM)*
Create and edit text and graphics in letters, reports, documents and Web pages.

LibreOffice Impress   *(RPM)*
Create and edit presentations for slideshows, meetings and Web pages.

LibreOffice Calc   *(RPM)*
Perform calculations, analyze information and manage lists in spreadsheets.

LibreOffice Base   *(RPM)*
Manage databases, create queries and reports to track and manage your information.

LibreOffice Draw   *(RPM)*
Create and edit drawings, flow charts and logos.

■ Other (With Icon)

Okular   *(RPM)*

Windows Installer File   *(RPM)*

■ Qt (With Icon)

Marknote   *(RPM)*
Markdown Note Management Tool

Settings   *(RPM)*
Settings for Plasma

Weather   *(RPM)*
View real-time weather forecasts and other information

Angelfish   *(RPM)*
Mobile web browser

Arianna   *(RPM)*

Photos   *(RPM)*
An Image gallery application

Keysmith *(RPM)*
Manage your OTP tokens for two factor authentication (2fa)

Qrca *(RPM)*
Scan and create QR-Codes

Elisa *(RPM)*
Play local music and listen to online radio

Clock *(RPM)*
Set alarms and timers, use a stopwatch, and manage world clocks

Haruna *(RPM)*
Open source media player built with Qt/QML and libmpv

Calculator *(RPM)*
A feature rich calculator

Terminal *(RPM)*
Command line access

Kamoso *(RPM)*
Use your webcam to take pictures or make videos

Kdenlive *(RPM)*
Nonlinear video editor by KDE

KStars *(RPM)*
Desktop Planetarium

Krita *(RPM)*
Digital Painting

Marble *(RPM)*
Navigation and Maps

Discover *(RPM)*
Install and remove apps and add-ons

KDE System Settings *(RPM)*
Configuration tools for your computer

System Settings *(RPM)*
Configuration tools for your computer

Menu Editor *(RPM)*
Edit how applications are presented in app launchers

Emoji Selector *(RPM)*
Copy emojis to the clipboard

Info Center *(RPM)*
Centralized and convenient overview of system information

Spacebar *(RPM)*
Instant Messenger

Dolphin *(RPM)*

Qt6 Assistant *(RPM)*
Shows Qt5 documentation and examples

Qt6 Designer *(RPM)*
Design GUIs for Qt6 applications

Qt6 Linguist   *(RPM)*
Add translations to Qt5 applications

Spectacle   *(RPM)*
Screenshot capture utility

digiKam   *(RPM)*
Manage your photographs like a professional with the power of open source

showFoto   *(RPM)*
Manage your photographs like a professional with the power of open source

Okular   *(RPM)*
Universal document viewer

■ Science (With Icon)

Siril   *(RPM)*
Astronomical image (pre-)processing program

■ Settings (With Icon)

Rygel Preferences   *(RPM)*

Actions *(RPM)*
Manage your actions

Applets *(RPM)*
Manage Cinnamon applets

Backgrounds *(RPM)*
Change your desktop's background

Date & Time *(RPM)*
Manage date and time settings

Preferred Applications *(RPM)*
Preferred Applications

Desklets *(RPM)*
Manage your Cinnamon desklets

Desktop *(RPM)*
Manage your desktop icons

Effects *(RPM)*
Control Cinnamon visual effects.

Extensions *(RPM)*
Manage your Cinnamon extensions

Font Selection *(RPM)*
Configure system fonts

General *(RPM)*
Miscellaneous Cinnamon preferences

Gestures *(RPM)*
Manage touch gestures

Hot Corners *(RPM)*
Manage hotcorner settings

System Info *(RPM)*
Display system information

Keyboard *(RPM)*
Manage keyboard settings and shortcuts

Mouse and Touchpad *(RPM)*
Control mouse and touchpad settings

Night Light *(RPM)*
Reduce exposure to blue light

Notifications *(RPM)*
Notification preferences

Panel *(RPM)*
Manage Cinnamon panel settings

Power Management *(RPM)*
Manage power settings

Privacy *(RPM)*
Cinnamon privacy settings

Screensaver *(RPM)*
Manage screen lock settings

Sound   *(RPM)*
Manage sound settings

Startup Applications   *(RPM)*
Manage your startup applications

Themes   *(RPM)*
Manage themes to change how your desktop looks

Window Tiling   *(RPM)*
Manage window tiling preferences

Accessibility   *(RPM)*
Configure accessibility features

Account details   *(RPM)*
Change your user preferences and password

Windows   *(RPM)*
Manage window preferences

Workspaces   *(RPM)*
Manage workspace preferences

System Settings   *(RPM)*
Control Center

Online Accounts   *(RPM)*
Connect to your data in the cloud

■ System (With Icon)

NVIDIA X Server Settings *(RPM)*
Configure NVIDIA X Server Settings

Virtual Machine Manager *(RPM)*
Manage virtual machines

Users and Groups *(RPM)*
Add or remove users and groups

Fedora Media Writer *(RPM)*
Write Fedora images to your portable drives

XTerm *(RPM)*
standard terminal emulator for the X window system

Print Settings *(RPM)*
Configure printers

■ Utility (With Icon)

Disk Space Saver *(Snap)*
Disk Space Analyzer that saves hundreds of gigabytes!

Virtual keyboard *(RPM)*
Turn on-screen keyboard on or off

■ X-WayDroid-App (With Icon)

 Waydroid   *(RPM)*

■ X-Wine (With Icon)

 Notepad   *(RPM)*
Text Editor

 Wine OLE View   *(RPM)*
Windows OLE View

 Regedit   *(RPM)*
Wine registry editor

 Wine Software Uninstaller   *(RPM)*
Interface to uninstall software

 Wine Boot   *(RPM)*
Simulate restart

 Wine Configuration   *(RPM)*
Interface to set wine parameters

Wine File
Wine File Browser   *(RPM)*

Wine Help
Windows Help Browser   *(RPM)*

Wine Wordpad
Text Editor   *(RPM)*

■ CLI Only (No Icon)

2to3   *(PATH)*

2to3-3.10   *(PATH)*

2to3-3.11   *(PATH)*

7z   *(PATH)*

GET   *(PATH)*

HEAD   *(PATH)*

JxrDecApp *(PATH)*

JxrEncApp *(PATH)*

ModemManager *(PATH)*

NetworkManager *(PATH)*

POST *(PATH)*

VGAuthService *(PATH)*

WebKitWebDriver *(PATH)*

X *(PATH)*

Xorg *(PATH)*

Xwayland *(PATH)*

[*(PATH)*

	ab	*(PATH)*
	abrt	*(PATH)*
	abrt-action-analyze-backtrace	*(PATH)*
	abrt-action-analyze-c	*(PATH)*
	abrt-action-analyze-ccpp-local	*(PATH)*
	abrt-action-analyze-oops	*(PATH)*
	abrt-action-analyze-python	*(PATH)*
	abrt-action-analyze-vmcore	*(PATH)*
	abrt-action-analyze-vulnerability	*(PATH)*
	abrt-action-analyze-xorg	*(PATH)*
	abrt-action-check-oops-for-alt-component	*(PATH)*

	abrt-action-check-oops-for-hw-error	*(PATH)*
	abrt-action-find-bodhi-update	*(PATH)*
	abrt-action-generate-backtrace	*(PATH)*
	abrt-action-generate-core-backtrace	*(PATH)*
	abrt-action-list-dsos	*(PATH)*
	abrt-action-notify	*(PATH)*
	abrt-action-save-package-data	*(PATH)*
	abrt-action-trim-files	*(PATH)*
	abrt-auto-reporting	*(PATH)*
	abrt-bodhi	*(PATH)*
	abrt-cli	*(PATH)*

abrt-dbus *(PATH)*

abrt-dump-journal-core *(PATH)*

abrt-dump-journal-oops *(PATH)*

abrt-dump-journal-xorg *(PATH)*

abrt-dump-oops *(PATH)*

abrt-dump-xorg *(PATH)*

abrt-handle-upload *(PATH)*

abrt-harvest-pstoreoops *(PATH)*

abrt-harvest-vmcore *(PATH)*

abrt-merge-pstoreoops *(PATH)*

abrt-server *(PATH)*

abrt-watch-log *(PATH)*

abrtd *(PATH)*

ac *(PATH)*

accessdb *(PATH)*

accton *(PATH)*

aclocal *(PATH)*

aclocal-1.17 *(PATH)*

aconnect *(PATH)*

acoustid-fingerprinter *(PATH)*

acpi *(PATH)*

activate-global-python-argcomplete *(PATH)*

adb		*(PATH)*
add-determinism		*(PATH)*
addgnupghome		*(PATH)*
addpart		*(PATH)*
addr2line		*(PATH)*
adduser		*(PATH)*
adwaita-1-demo		*(PATH)*
ag-backup		*(PATH)*
ag-tool		*(PATH)*
agetty		*(PATH)*
aha		*(PATH)*

aiosmtpd *(PATH)*

airscan-discover *(PATH)*

akmods *(PATH)*

akmods-ostree-post *(PATH)*

akmods-shutdown *(PATH)*

akmodsbuild *(PATH)*

alias *(PATH)*

align_image_stack *(PATH)*

alsa-info.sh *(PATH)*

alsabat *(PATH)*

alsactl *(PATH)*

	alsaloop	*(PATH)*
	alsamixer	*(PATH)*
	alsatplg	*(PATH)*
	alsaucm	*(PATH)*
	alsaunmute	*(PATH)*
	alt-java	*(PATH)*
	alternatives	*(PATH)*
	amidi	*(PATH)*
	amixer	*(PATH)*
	ampctl	*(PATH)*
	ampctld	*(PATH)*

amuFormat.sh		*(PATH)*
anaconda		*(PATH)*
anaconda-cleanup		*(PATH)*
anaconda-disable-nm-ibft-plugin		*(PATH)*
anaconda-nm-disable-autocons		*(PATH)*
anacron		*(PATH)*
androiddeployqt		*(PATH)*
androiddeployqt6		*(PATH)*
androidtestrunner		*(PATH)*
angelfish		*(PATH)*
angelfish-webapp		*(PATH)*

animate   *(PATH)*

ant   *(PATH)*

anthy-agent-unicode   *(PATH)*

anthy-dic-tool-unicode   *(PATH)*

anthy-morphological-analyzer-unicode   *(PATH)*

antiword   *(PATH)*

antiword.bin   *(PATH)*

apachectl   *(PATH)*

apachetop   *(PATH)*

aplay   *(PATH)*

aplaymidi   *(PATH)*

aplaymidi2		*(PATH)*
append2simg		*(PATH)*
applydeltarpm		*(PATH)*
applygeo		*(PATH)*
applygnupgdefaults		*(PATH)*
appstreamcli		*(PATH)*
apropos		*(PATH)*
apropos.man-db		*(PATH)*
ar		*(PATH)*
arch		*(PATH)*
arecord		*(PATH)*

arecordmidi		*(PATH)*
arecordmidi2		*(PATH)*
aria_chk		*(PATH)*
aria_dump_log		*(PATH)*
aria_ftdump		*(PATH)*
aria_pack		*(PATH)*
aria_read_log		*(PATH)*
arianna		*(PATH)*
arp		*(PATH)*
arpaname		*(PATH)*
arping		*(PATH)*

	arptables	*(PATH)*
	arptables-nft	*(PATH)*
	arptables-nft-restore	*(PATH)*
	arptables-nft-save	*(PATH)*
	arptables-restore	*(PATH)*
	arptables-save	*(PATH)*
	arptables-translate	*(PATH)*
	as	*(PATH)*
	aseqdump	*(PATH)*
	aseqnet	*(PATH)*
	aseqsend	*(PATH)*

aserver		*(PATH)*
asn1Coding		*(PATH)*
asn1Decoding		*(PATH)*
asn1Parser		*(PATH)*
assimp		*(PATH)*
assistant-qt6		*(PATH)*
at		*(PATH)*
atd		*(PATH)*
atq		*(PATH)*
atrm		*(PATH)*
atrun		*(PATH)*

	attr	*(PATH)*
	audacious	*(PATH)*
	audit2allow	*(PATH)*
	audit2why	*(PATH)*
	auditctl	*(PATH)*
	auditd	*(PATH)*
	audtool	*(PATH)*
	augenrules	*(PATH)*
	aulast	*(PATH)*
	aulastlog	*(PATH)*
	aureport	*(PATH)*

ausearch		*(PATH)*
ausyscall		*(PATH)*
authselect		*(PATH)*
autoconf		*(PATH)*
autoheader		*(PATH)*
autom4te		*(PATH)*
automake		*(PATH)*
automake-1.17		*(PATH)*
autooptimiser		*(PATH)*
autoreconf		*(PATH)*
autoscan		*(PATH)*

autoupdate   *(PATH)*

av1encode   *(PATH)*

avahi-browse   *(PATH)*

avahi-browse-domains   *(PATH)*

avahi-daemon   *(PATH)*

avahi-publish   *(PATH)*

avahi-publish-address   *(PATH)*

avahi-publish-service   *(PATH)*

avahi-resolve   *(PATH)*

avahi-resolve-address   *(PATH)*

avahi-resolve-host-name   *(PATH)*

	avahi-set-host-name	*(PATH)*
	avbtool	*(PATH)*
	avcenc	*(PATH)*
	avcstat	*(PATH)*
	avcstreamoutdemo	*(PATH)*
	avinfo	*(PATH)*
	awk	*(PATH)*
	axfer	*(PATH)*
	b2sum	*(PATH)*
	b43-fwcutter	*(PATH)*
	badblocks	*(PATH)*

baloo_filemetadata_temp_extractor   *(PATH)*

balooctl6   *(PATH)*

baloosearch6   *(PATH)*

balooshow6   *(PATH)*

base32   *(PATH)*

base64   *(PATH)*

basename   *(PATH)*

basenc   *(PATH)*

bash   *(PATH)*

bashbug   *(PATH)*

bashbug-64   *(PATH)*

batch (PATH)

bc (PATH)

bg (PATH)

biosdecode (PATH)

bison (PATH)

blivet-gui (PATH)

blivet-gui-daemon (PATH)

blkdeactivate (PATH)

blkdiscard (PATH)

blkid (PATH)

blkmapd (PATH)

	blkpr	*(PATH)*
	blkzone	*(PATH)*
	blockdev	*(PATH)*
	bluedevil-sendfile	*(PATH)*
	bluedevil-wizard	*(PATH)*
	bluemoon	*(PATH)*
	bluetooth	*(PATH)*
	bluetooth-sendto	*(PATH)*
	bluetoothctl	*(PATH)*
	bmc-config	*(PATH)*
	bmc-device	*(PATH)*

	bmc-info	*(PATH)*
	bnd	*(PATH)*
	boltctl	*(PATH)*
	bond2team	*(PATH)*
	bootconfig	*(PATH)*
	bootctl	*(PATH)*
	bq	*(PATH)*
	breeze-settings6	*(PATH)*
	bridge	*(PATH)*
	bro-perl	*(PATH)*
	broadwayd	*(PATH)*

brotli		*(PATH)*
bs2bconvert		*(PATH)*
bs2bstream		*(PATH)*
btattach		*(PATH)*
btmgmt		*(PATH)*
btmon		*(PATH)*
btrfs		*(PATH)*
btrfs-convert		*(PATH)*
btrfs-find-root		*(PATH)*
btrfs-image		*(PATH)*
btrfs-map-logical		*(PATH)*

btrfs-select-super					*(PATH)*

btrfsck					*(PATH)*

btrfstune					*(PATH)*

build-classpath					*(PATH)*

build-classpath-directory					*(PATH)*

build-jar-repository					*(PATH)*

bundle					*(PATH)*

bundler					*(PATH)*

bunzip2					*(PATH)*

busctl					*(PATH)*

bwrap					*(PATH)*

	bzcat	*(PATH)*
	bzcmp	*(PATH)*
	bzdiff	*(PATH)*
	bzegrep	*(PATH)*
	bzfgrep	*(PATH)*
	bzgrep	*(PATH)*
	bzip2	*(PATH)*
	bzip2recover	*(PATH)*
	bzless	*(PATH)*
	bzmore	*(PATH)*
	c++	*(PATH)*

c++filt   (PATH)

c89   (PATH)

c99   (PATH)

ca-legacy   (PATH)

cache-info   (PATH)

cache_check   (PATH)

cache_dump   (PATH)

cache_metadata_size   (PATH)

cache_repair   (PATH)

cache_restore   (PATH)

cache_writeback   (PATH)

	cairosvg	*(PATH)*
	cal	*(PATH)*
	canberra-boot	*(PATH)*
	canberra-gtk-play	*(PATH)*
	cancel	*(PATH)*
	cancel.cups	*(PATH)*
	capsh	*(PATH)*
	captoinfo	*(PATH)*
	cardos-tool	*(PATH)*
	cargo	*(PATH)*
	caribou-preferences	*(PATH)*

cat		*(PATH)*
catdoc		*(PATH)*
catman		*(PATH)*
catppt		*(PATH)*
cc		*(PATH)*
ccmake		*(PATH)*
ccmake3		*(PATH)*
cct		*(PATH)*
cd		*(PATH)*
cd-create-profile		*(PATH)*
cd-drive		*(PATH)*

cd-fix-profile		*(PATH)*
cd-iccdump		*(PATH)*
cd-info		*(PATH)*
cd-it8		*(PATH)*
cd-paranoia		*(PATH)*
cd-read		*(PATH)*
cdda-player		*(PATH)*
cddb_query		*(PATH)*
cdrecord		*(PATH)*
cdrwtool		*(PATH)*
celeste_standalone		*(PATH)*

	centrino-decode	*(PATH)*
	certtool	*(PATH)*
	cfdisk	*(PATH)*
	chacl	*(PATH)*
	chage	*(PATH)*
	chattr	*(PATH)*
	chcat	*(PATH)*
	chcon	*(PATH)*
	chcp	*(PATH)*
	chcpu	*(PATH)*
	check-binary-files	*(PATH)*

	check-regexp	*(PATH)*
	checkXML	*(PATH)*
	checkXML5	*(PATH)*
	checkXML6	*(PATH)*
	checkisomd5	*(PATH)*
	checkmodule	*(PATH)*
	checkpolicy	*(PATH)*
	checkpto	*(PATH)*
	checksctp	*(PATH)*
	chewing-cli	*(PATH)*
	chfn	*(PATH)*

chgpasswd   *(PATH)*

chgrp   *(PATH)*

chkconfig   *(PATH)*

chmem   *(PATH)*

chmod   *(PATH)*

choom   *(PATH)*

chown   *(PATH)*

chpasswd   *(PATH)*

chromium-browser   *(PATH)*

chronyc   *(PATH)*

chronyd   *(PATH)*

chroot		*(PATH)*
chrt		*(PATH)*
chsh		*(PATH)*
chvt		*(PATH)*
cifs.idmap		*(PATH)*
cifs.upcall		*(PATH)*
cifscreds		*(PATH)*
cifsdd		*(PATH)*
cifsiostat		*(PATH)*
cinnamon		*(PATH)*
cinnamon-calendar-server		*(PATH)*

cinnamon-control-center   *(PATH)*

cinnamon-dbus-command   *(PATH)*

cinnamon-desktop-editor   *(PATH)*

cinnamon-file-dialog   *(PATH)*

cinnamon-hover-click   *(PATH)*

cinnamon-install-spice   *(PATH)*

cinnamon-json-makepot   *(PATH)*

cinnamon-killer-daemon   *(PATH)*

cinnamon-launcher   *(PATH)*

cinnamon-looking-glass   *(PATH)*

cinnamon-menu-editor   *(PATH)*

cinnamon-preview-gtk-theme		*(PATH)*
cinnamon-screensaver		*(PATH)*
cinnamon-screensaver-command		*(PATH)*
cinnamon-screensaver-lock-dialog		*(PATH)*
cinnamon-session		*(PATH)*
cinnamon-session-cinnamon		*(PATH)*
cinnamon-session-cinnamon2d		*(PATH)*
cinnamon-session-quit		*(PATH)*
cinnamon-settings		*(PATH)*
cinnamon-settings-users		*(PATH)*
cinnamon-slideshow		*(PATH)*

	cinnamon-spice-updater	*(PATH)*
	cinnamon-subprocess-wrapper	*(PATH)*
	cinnamon-unlock-desktop	*(PATH)*
	cinnamon-xlet-makepot	*(PATH)*
	cinnamon2d	*(PATH)*
	cjs	*(PATH)*
	cjs-console	*(PATH)*
	cksum	*(PATH)*
	clang	*(PATH)*
	clang++	*(PATH)*
	clang++-20	*(PATH)*

clang-20		*(PATH)*
clang-cl		*(PATH)*
clang-cl-20		*(PATH)*
clang-cpp		*(PATH)*
clang-cpp-20		*(PATH)*
clang-scan-deps		*(PATH)*
clang-scan-deps-20		*(PATH)*
clean-binary-files		*(PATH)*
cleanup_digikamdb		*(PATH)*
clear		*(PATH)*
clinfo		*(PATH)*

clock   (PATH)

clockdiff   (PATH)

cmake   (PATH)

cmake3   (PATH)

cmk   (PATH)

cmp   (PATH)

col   (PATH)

colcrt   (PATH)

colormgr   (PATH)

colrm   (PATH)

column   (PATH)

combinedeltarpm		*(PATH)*
comm		*(PATH)*
command		*(PATH)*
compare		*(PATH)*
compile_et		*(PATH)*
composite		*(PATH)*
compsize		*(PATH)*
conjure		*(PATH)*
consolehelper		*(PATH)*
consoletype		*(PATH)*
convert		*(PATH)*

convertquota		*(PATH)*
coredumpctl		*(PATH)*
cp		*(PATH)*
cpack		*(PATH)*
cpack3		*(PATH)*
cpanel_json_xs		*(PATH)*
cpclean		*(PATH)*
cpfind		*(PATH)*
cpio		*(PATH)*
cpp		*(PATH)*
cpp2html		*(PATH)*

	cpu-info		*(PATH)*
	cpuid-dump		*(PATH)*
	cpupower		*(PATH)*
	cracklib-check		*(PATH)*
	cracklib-format		*(PATH)*
	cracklib-packer		*(PATH)*
	cracklib-unpacker		*(PATH)*
	cracklib-update		*(PATH)*
	create-cracklib-dict		*(PATH)*
	create-jar-links		*(PATH)*
	crond		*(PATH)*

cronnext		*(PATH)*
crontab		*(PATH)*
cryptoflex-tool		*(PATH)*
cryptsetup		*(PATH)*
cs2cs		*(PATH)*
csd-a11y-settings		*(PATH)*
csd-automount		*(PATH)*
csd-background		*(PATH)*
csd-backlight-helper		*(PATH)*
csd-clipboard		*(PATH)*
csd-color		*(PATH)*

	csd-datetime-mechanism	*(PATH)*
	csd-housekeeping	*(PATH)*
	csd-input-helper	*(PATH)*
	csd-keyboard	*(PATH)*
	csd-media-keys	*(PATH)*
	csd-power	*(PATH)*
	csd-print-notifications	*(PATH)*
	csd-printer	*(PATH)*
	csd-screensaver-proxy	*(PATH)*
	csd-settings-remap	*(PATH)*
	csd-wacom	*(PATH)*

csd-xsettings *(PATH)*

csplit *(PATH)*

cstool *(PATH)*

ctags *(PATH)*

ctest *(PATH)*

ctest3 *(PATH)*

ctrlaltdel *(PATH)*

ctstat *(PATH)*

cups-browsed *(PATH)*

cups-calibrate *(PATH)*

cups-config *(PATH)*

	cups-genppd.5.3	*(PATH)*
	cups-genppdupdate	*(PATH)*
	cupsaccept	*(PATH)*
	cupsctl	*(PATH)*
	cupsd	*(PATH)*
	cupsdisable	*(PATH)*
	cupsenable	*(PATH)*
	cupsfilter	*(PATH)*
	cupsreject	*(PATH)*
	cupstestppd	*(PATH)*
	curl	*(PATH)*

curve_keygen		*(PATH)*
cut		*(PATH)*
cvc-create		*(PATH)*
cvc-print		*(PATH)*
cvlc		*(PATH)*
cvtsudoers		*(PATH)*
cyrusbdb2current		*(PATH)*
danetool		*(PATH)*
date		*(PATH)*
dbilogstrip		*(PATH)*
dbiprof		*(PATH)*

	dbus-binding-tool	(PATH)
	dbus-broker	(PATH)
	dbus-broker-launch	(PATH)
	dbus-cleanup-sockets	(PATH)
	dbus-daemon	(PATH)
	dbus-launch	(PATH)
	dbus-monitor	(PATH)
	dbus-run-session	(PATH)
	dbus-send	(PATH)
	dbus-test-tool	(PATH)
	dbus-update-activation-environment	(PATH)

dbus-uuidgen   *(PATH)*

dbwrap_tool   *(PATH)*

dbxtool   *(PATH)*

dc   *(PATH)*

dcb   *(PATH)*

dconf   *(PATH)*

dd   *(PATH)*

ddcutil   *(PATH)*

ddns-confgen   *(PATH)*

deallocvt   *(PATH)*

debugedit   *(PATH)*

	debugfs	*(PATH)*
	debuginfod-find	*(PATH)*
	defrag.f2fs	*(PATH)*
	deghosting_mask	*(PATH)*
	delpart	*(PATH)*
	delv	*(PATH)*
	depmod	*(PATH)*
	designer-qt6	*(PATH)*
	desktop-file-edit	*(PATH)*
	desktop-file-install	*(PATH)*
	desktop-file-validate	*(PATH)*

desktoptojson *(PATH)*

dev_appserver.py *(PATH)*

devlink *(PATH)*

df *(PATH)*

dhclient *(PATH)*

dhclient-script *(PATH)*

di-edid-decode *(PATH)*

dictgen *(PATH)*

diff *(PATH)*

diff-jars *(PATH)*

diff3 *(PATH)*

	diffpp	*(PATH)*
	dig	*(PATH)*
	digikam	*(PATH)*
	digitaglinktree	*(PATH)*
	dir	*(PATH)*
	dircolors	*(PATH)*
	dirmngr	*(PATH)*
	dirmngr-client	*(PATH)*
	dirname	*(PATH)*
	display	*(PATH)*
	distro	*(PATH)*

django-admin *(PATH)*

dltest *(PATH)*

dmesg *(PATH)*

dmeventd *(PATH)*

dmfilemapd *(PATH)*

dmidecode *(PATH)*

dmsetup *(PATH)*

dmstats *(PATH)*

dnf *(PATH)*

dnf-3 *(PATH)*

dnf4 *(PATH)*

dnf5		(PATH)
dnie-tool		(PATH)
dnsdomainname		(PATH)
dnsmasq		(PATH)
dnstap-read		(PATH)
docker-credential-gcloud		(PATH)
dolphin		(PATH)
domainname		(PATH)
dos2unix		(PATH)
dosbox		(PATH)
dosfsck		(PATH)

dosfslabel   *(PATH)*

dotlockfile   *(PATH)*

doveadm   *(PATH)*

doveconf   *(PATH)*

dovecot   *(PATH)*

dovecot-sysreport   *(PATH)*

dqtool   *(PATH)*

dracut   *(PATH)*

driverless   *(PATH)*

driverless-fax   *(PATH)*

dsync   *(PATH)*

dtplite   *(PATH)*

dtrust-tool   *(PATH)*

du   *(PATH)*

dump-acct   *(PATH)*

dump-utmp   *(PATH)*

dump.erofs   *(PATH)*

dump.exfat   *(PATH)*

dump.f2fs   *(PATH)*

dumpe2fs   *(PATH)*

dumpet   *(PATH)*

dumpkeys   *(PATH)*

	dumpmscat	*(PATH)*
	dumpseg	*(PATH)*
	dvdauthor	*(PATH)*
	dvddirdel	*(PATH)*
	dvdunauthor	*(PATH)*
	dwp	*(PATH)*
	dwz	*(PATH)*
	e2freefrag	*(PATH)*
	e2fsck	*(PATH)*
	e2fsdroid	*(PATH)*
	e2image	*(PATH)*

e2label		(PATH)
e2mmpstatus		(PATH)
e2undo		(PATH)
e4crypt		(PATH)
e4defrag		(PATH)
eapol_test		(PATH)
easy-disk-cleaner		(PATH)
ebtables		(PATH)
ebtables-nft		(PATH)
ebtables-nft-restore		(PATH)
ebtables-nft-save		(PATH)

ebtables-restore (PATH)

ebtables-save (PATH)

ebtables-translate (PATH)

echo (PATH)

ed (PATH)

ed2k-link (PATH)

editliveos (PATH)

edonr256-hash (PATH)

edonr512-hash (PATH)

edquota (PATH)

eeprog (PATH)

efibootdump *(PATH)*

efibootmgr *(PATH)*

egk-tool *(PATH)*

eglgears_wayland *(PATH)*

eglgears_x11 *(PATH)*

eglinfo *(PATH)*

egrep *(PATH)*

eidenv *(PATH)*

eject *(PATH)*

elfedit *(PATH)*

elisa *(PATH)*

enblend		*(PATH)*
encguess		*(PATH)*
enchant		*(PATH)*
enchant-2		*(PATH)*
enchant-lsmod		*(PATH)*
enchant-lsmod-2		*(PATH)*
enfuse		*(PATH)*
enosys		*(PATH)*
enscript		*(PATH)*
env		*(PATH)*
envsubst		*(PATH)*

	eps2eps	*(PATH)*
	eqn	*(PATH)*
	era_check	*(PATH)*
	era_dump	*(PATH)*
	era_invalidate	*(PATH)*
	era_restore	*(PATH)*
	erb	*(PATH)*
	es2_info	*(PATH)*
	es2gears_wayland	*(PATH)*
	es2gears_x11	*(PATH)*
	escputil	*(PATH)*

esmtp		*(PATH)*
esmtp-wrapper		*(PATH)*
espeak-ng		*(PATH)*
ether-wake		*(PATH)*
ethtool		*(PATH)*
eu-addr2line		*(PATH)*
eu-ar		*(PATH)*
eu-elfclassify		*(PATH)*
eu-elfcmp		*(PATH)*
eu-elfcompress		*(PATH)*
eu-elflint		*(PATH)*

eu-findtextrel *(PATH)*

eu-make-debug-archive *(PATH)*

eu-nm *(PATH)*

eu-objdump *(PATH)*

eu-ranlib *(PATH)*

eu-readelf *(PATH)*

eu-size *(PATH)*

eu-srcfiles *(PATH)*

eu-stack *(PATH)*

eu-stacktrace *(PATH)*

eu-strings *(PATH)*

eu-strip   *(PATH)*

eu-unstrip   *(PATH)*

eutp   *(PATH)*

event_rpcgen.py   *(PATH)*

ex   *(PATH)*

exch   *(PATH)*

exempi   *(PATH)*

exfat2img   *(PATH)*

exfatlabel   *(PATH)*

exif   *(PATH)*

exiftool   *(PATH)*

exiftran		*(PATH)*
exiv2		*(PATH)*
exo-desktop-item-edit		*(PATH)*
exo-open		*(PATH)*
expand		*(PATH)*
exportfs		*(PATH)*
expr		*(PATH)*
ext2simg		*(PATH)*
extlinux		*(PATH)*
extresso		*(PATH)*
f2fs_io		*(PATH)*

f2fscrypt		*(PATH)*
f2fslabel		*(PATH)*
f2py		*(PATH)*
f2py.numpy		*(PATH)*
f2py3		*(PATH)*
f2py3.13		*(PATH)*
f3brew		*(PATH)*
f3fix		*(PATH)*
f3probe		*(PATH)*
f3read		*(PATH)*
f3write		*(PATH)*

	factor	*(PATH)*
	fadvise	*(PATH)*
	faillock	*(PATH)*
	faked	*(PATH)*
	faked-sysv	*(PATH)*
	faked-tcp	*(PATH)*
	fakeroot	*(PATH)*
	fakeroot-sysv	*(PATH)*
	fakeroot-tcp	*(PATH)*
	fallocate	*(PATH)*
	false	*(PATH)*

fancontrol		*(PATH)*
fastboot		*(PATH)*
fastfetch		*(PATH)*
fatlabel		*(PATH)*
fb_lock_print		*(PATH)*
fbguard		*(PATH)*
fbi		*(PATH)*
fbsvcmgr		*(PATH)*
fbtracemgr		*(PATH)*
fc		*(PATH)*
fc-cache		*(PATH)*

 fc-cache-32 *(PATH)*

 fc-cache-64 *(PATH)*

 fc-cat *(PATH)*

 fc-conflist *(PATH)*

 fc-list *(PATH)*

 fc-match *(PATH)*

 fc-pattern *(PATH)*

 fc-query *(PATH)*

 fc-scan *(PATH)*

 fc-validate *(PATH)*

 fcgistarter *(PATH)*

fdformat   *(PATH)*

fdisk   *(PATH)*

fedora-third-party   *(PATH)*

ffmpeg   *(PATH)*

ffmsindex   *(PATH)*

ffplay   *(PATH)*

ffprobe   *(PATH)*

fg   *(PATH)*

fgconsole   *(PATH)*

fgrep   *(PATH)*

fibmap.f2fs   *(PATH)*

filan		*(PATH)*
file		*(PATH)*
file2brl		*(PATH)*
filefrag		*(PATH)*
filezilla		*(PATH)*
fim		*(PATH)*
fimgs		*(PATH)*
fincore		*(PATH)*
find		*(PATH)*
find-debuginfo		*(PATH)*
find-debuginfo.sh		*(PATH)*

	find-jar	*(PATH)*
	findfs	*(PATH)*
	findmnt	*(PATH)*
	firebird	*(PATH)*
	firefox	*(PATH)*
	firewall-cmd	*(PATH)*
	firewall-offline-cmd	*(PATH)*
	firewalld	*(PATH)*
	fix-info-dir	*(PATH)*
	fixfiles	*(PATH)*
	fixqt4headers.pl	*(PATH)*

flashrom		*(PATH)*
flatpak		*(PATH)*
flatpak-bisect		*(PATH)*
flatpak-coredumpctl		*(PATH)*
flex		*(PATH)*
flex++		*(PATH)*
flexiblas		*(PATH)*
flexiblas64		*(PATH)*
flite		*(PATH)*
flite_cmu_time_awb		*(PATH)*
flite_cmu_us_awb		*(PATH)*

flite_cmu_us_kal		*(PATH)*
flite_cmu_us_kal16		*(PATH)*
flite_cmu_us_rms		*(PATH)*
flite_cmu_us_slt		*(PATH)*
flite_time		*(PATH)*
flock		*(PATH)*
fmt		*(PATH)*
fold		*(PATH)*
foomatic-rip		*(PATH)*
formail		*(PATH)*
fortune		*(PATH)*

fpaste		*(PATH)*
fprintd-delete		*(PATH)*
fprintd-enroll		*(PATH)*
fprintd-list		*(PATH)*
fprintd-verify		*(PATH)*
free		*(PATH)*
freetype-config		*(PATH)*
fribidi		*(PATH)*
fsadm		*(PATH)*
fsck		*(PATH)*
fsck.btrfs		*(PATH)*

	fsck.cramfs	*(PATH)*
	fsck.erofs	*(PATH)*
	fsck.exfat	*(PATH)*
	fsck.ext2	*(PATH)*
	fsck.ext3	*(PATH)*
	fsck.ext4	*(PATH)*
	fsck.f2fs	*(PATH)*
	fsck.fat	*(PATH)*
	fsck.hfs	*(PATH)*
	fsck.hfsplus	*(PATH)*
	fsck.minix	*(PATH)*

	fsck.msdos	*(PATH)*
	fsck.ntfs	*(PATH)*
	fsck.vfat	*(PATH)*
	fsck.xfs	*(PATH)*
	fsfreeze	*(PATH)*
	fsidd	*(PATH)*
	fstrim	*(PATH)*
	ftp	*(PATH)*
	fulla	*(PATH)*
	funzip	*(PATH)*
	fuse2fs	*(PATH)*

	fuser	*(PATH)*
	fusermount	*(PATH)*
	fusermount-glusterfs	*(PATH)*
	fusermount3	*(PATH)*
	fwupdmgr	*(PATH)*
	fwupdtool	*(PATH)*
	fzputtygen	*(PATH)*
	fzsftp	*(PATH)*
	g++	*(PATH)*
	g13	*(PATH)*
	g13-syshelp	*(PATH)*

	gapplication	*(PATH)*
	gawk	*(PATH)*
	gawkbug	*(PATH)*
	gbak	*(PATH)*
	gcc	*(PATH)*
	gcc-ar	*(PATH)*
	gcc-nm	*(PATH)*
	gcc-ranlib	*(PATH)*
	gchemcalc	*(PATH)*
	gchemcalc-0.14	*(PATH)*
	gchempaint	*(PATH)*

	gchempaint-0.14	*(PATH)*
	gchemtable	*(PATH)*
	gchemtable-0.14	*(PATH)*
	gcloud	*(PATH)*
	gcloud-crc32c	*(PATH)*
	gcm-import	*(PATH)*
	gcm-inspect	*(PATH)*
	gcm-picker	*(PATH)*
	gcm-viewer	*(PATH)*
	gconf-merge-tree	*(PATH)*
	gconftool-2	*(PATH)*

gcore		*(PATH)*
gcov		*(PATH)*
gcov-dump		*(PATH)*
gcov-tool		*(PATH)*
gcr-viewer		*(PATH)*
gcr-viewer-gtk4		*(PATH)*
gdb		*(PATH)*
gdb-add-index		*(PATH)*
gdbm_dump		*(PATH)*
gdbm_load		*(PATH)*
gdbmtool		*(PATH)*

gdbus (PATH)

gdbus-codegen (PATH)

gdctl (PATH)

gdk-pixbuf-query-loaders-32 (PATH)

gdk-pixbuf-query-loaders-64 (PATH)

gdk-pixbuf-thumbnailer (PATH)

gdm (PATH)

gdm-config (PATH)

gdmflexiserver (PATH)

geany (PATH)

gem (PATH)

gencat		*(PATH)*
gendiff		*(PATH)*
genhomedircon		*(PATH)*
genhostid		*(PATH)*
genisoimage		*(PATH)*
genl		*(PATH)*
genl-ctrl-list		*(PATH)*
genresscript		*(PATH)*
gentrigrams		*(PATH)*
geocpset		*(PATH)*
geod		*(PATH)*

geosop		*(PATH)*
geotifcp		*(PATH)*
geqn		*(PATH)*
ges-launch-1.0		*(PATH)*
getcap		*(PATH)*
getcifsacl		*(PATH)*
getconf		*(PATH)*
getenforce		*(PATH)*
getent		*(PATH)*
getfacl		*(PATH)*
getfattr		*(PATH)*

	gethostip	*(PATH)*
	getkeycodes	*(PATH)*
	getopt	*(PATH)*
	getopts	*(PATH)*
	getpcaps	*(PATH)*
	getpidprevcon	*(PATH)*
	getpolicyload	*(PATH)*
	getsebool	*(PATH)*
	gettext	*(PATH)*
	gettext.sh	*(PATH)*
	gfix	*(PATH)*

ghc   *(PATH)*

ghc-9.6   *(PATH)*

ghc-9.6.6   *(PATH)*

ghc-pkg   *(PATH)*

ghc-pkg-9.6   *(PATH)*

ghc-pkg-9.6.6   *(PATH)*

ghci   *(PATH)*

ghci-9.6   *(PATH)*

ghci-9.6.6   *(PATH)*

ghostscript   *(PATH)*

gi-compile-repository   *(PATH)*

gi-decompile-typelib   *(PATH)*

gi-inspect-typelib   *(PATH)*

gids-tool   *(PATH)*

gie   *(PATH)*

gio   *(PATH)*

gio-querymodules-32   *(PATH)*

gio-querymodules-64   *(PATH)*

git   *(PATH)*

git-credential-gcloud.sh   *(PATH)*

git-receive-pack   *(PATH)*

git-shell   *(PATH)*

git-upload-archive   *(PATH)*

git-upload-pack   *(PATH)*

gjs   *(PATH)*

gjs-console   *(PATH)*

gkbd-keyboard-display   *(PATH)*

glib-compile-resources   *(PATH)*

glib-compile-schemas   *(PATH)*

glib-genmarshal   *(PATH)*

glib-gettextize   *(PATH)*

glib-mkenums   *(PATH)*

gltpd   *(PATH)*

![icon]	gluster	*(PATH)*
![icon]	glusterfs	*(PATH)*
![icon]	glusterfsd	*(PATH)*
![icon]	glxgears	*(PATH)*
![icon]	glxinfo	*(PATH)*
![icon]	glxinfo64	*(PATH)*
![icon]	gmake	*(PATH)*
![icon]	gmenudbusmenuproxy	*(PATH)*
![icon]	gmult	*(PATH)*
![icon]	gneqn	*(PATH)*
![icon]	gnome-calendar	*(PATH)*

gnome-chess (PATH)

gnome-control-center (PATH)

gnome-disk-image-mounter (PATH)

gnome-disks (PATH)

gnome-extensions (PATH)

gnome-keyring (PATH)

gnome-keyring-3 (PATH)

gnome-keyring-daemon (PATH)

gnome-maps (PATH)

gnome-network-displays (PATH)

gnome-online-accounts-gtk (PATH)

	gnome-session	*(PATH)*
	gnome-session-inhibit	*(PATH)*
	gnome-session-quit	*(PATH)*
	gnome-shell	*(PATH)*
	gnome-shell-extension-tool	*(PATH)*
	gnome-shell-test-tool	*(PATH)*
	gnome-terminal	*(PATH)*
	gnome-tour	*(PATH)*
	gnroff	*(PATH)*
	gnuchess	*(PATH)*
	gnutls-cli	*(PATH)*

	gnutls-cli-debug	*(PATH)*
	gnutls-serv	*(PATH)*
	gobject-query	*(PATH)*
	goid-tool	*(PATH)*
	gost12-256-hash	*(PATH)*
	gost12-512-hash	*(PATH)*
	gparted	*(PATH)*
	gpasswd	*(PATH)*
	gpg	*(PATH)*
	gpg-agent	*(PATH)*
	gpg-card	*(PATH)*

gpg-connect-agent   *(PATH)*

gpg-error   *(PATH)*

gpg-mail-tube   *(PATH)*

gpg-wks-client   *(PATH)*

gpg-wks-server   *(PATH)*

gpg2   *(PATH)*

gpgconf   *(PATH)*

gpgme-json   *(PATH)*

gpgparsemail   *(PATH)*

gpgsm   *(PATH)*

gpgsplit   *(PATH)*

	gpgtar	*(PATH)*
	gpgv	*(PATH)*
	gpgv2	*(PATH)*
	gpic	*(PATH)*
	gpio-event-mon	*(PATH)*
	gpio-hammer	*(PATH)*
	gpio-watch	*(PATH)*
	gpre	*(PATH)*
	gprof	*(PATH)*
	gr2fonttest	*(PATH)*
	grdctl	*(PATH)*

	grep	(PATH)
	gresource	(PATH)
	grim	(PATH)
	groff	(PATH)
	grops	(PATH)
	grotty	(PATH)
	groupadd	(PATH)
	groupdel	(PATH)
	groupmems	(PATH)
	groupmod	(PATH)
	groups	(PATH)

grpck		*(PATH)*
grpconv		*(PATH)*
grpunconv		*(PATH)*
grub2-bios-setup		*(PATH)*
grub2-editenv		*(PATH)*
grub2-file		*(PATH)*
grub2-fstest		*(PATH)*
grub2-get-kernel-settings		*(PATH)*
grub2-glue-efi		*(PATH)*
grub2-install		*(PATH)*
grub2-kbdcomp		*(PATH)*

grub2-macbless (PATH)

grub2-menulst2cfg (PATH)

grub2-mkconfig (PATH)

grub2-mkfont (PATH)

grub2-mkimage (PATH)

grub2-mklayout (PATH)

grub2-mknetdir (PATH)

grub2-mkpasswd-pbkdf2 (PATH)

grub2-mkrelpath (PATH)

grub2-mkrescue (PATH)

grub2-mkstandalone (PATH)

grub2-mount   (PATH)

grub2-probe   (PATH)

grub2-reboot   (PATH)

grub2-render-label   (PATH)

grub2-script-check   (PATH)

grub2-set-bootflag   (PATH)

grub2-set-default   (PATH)

grub2-set-password   (PATH)

grub2-setpassword   (PATH)

grub2-switch-to-blscfg   (PATH)

grub2-syslinux2cfg   (PATH)

grubby		*(PATH)*
gs		*(PATH)*
gsbj		*(PATH)*
gsdj		*(PATH)*
gsdj500		*(PATH)*
gsec		*(PATH)*
gsettings		*(PATH)*
gsf-office-thumbnailer		*(PATH)*
gsl-histogram		*(PATH)*
gsl-randist		*(PATH)*
gslj		*(PATH)*

gslp		(PATH)
gsnd		(PATH)
gsoelim		(PATH)
gsound-play		(PATH)
gsplit		(PATH)
gssproxy		(PATH)
gst-inspect-1.0		(PATH)
gst-launch-1.0		(PATH)
gst-stats-1.0		(PATH)
gst-transcoder-1.0		(PATH)
gst-typefind-1.0		(PATH)

gstack (PATH)

gstat-fb (PATH)

gsutil (PATH)

gtar (PATH)

gtbl (PATH)

gtester (PATH)

gtester-report (PATH)

gtf (PATH)

gtk-launch (PATH)

gtk-query-immodules-2.0-64 (PATH)

gtk-query-immodules-3.0-32 (PATH)

gtk-query-immodules-3.0-64		*(PATH)*
gtk-update-icon-cache		*(PATH)*
gtk4-broadwayd		*(PATH)*
gtk4-launch		*(PATH)*
gtk4-update-icon-cache		*(PATH)*
gtroff		*(PATH)*
gucharmap		*(PATH)*
gunzip		*(PATH)*
gupnp-dlna-info-2.0		*(PATH)*
gupnp-dlna-ls-profiles-2.0		*(PATH)*
gzexe		*(PATH)*

gzip		*(PATH)*
h264encode		*(PATH)*
h5clear		*(PATH)*
h5copy		*(PATH)*
h5debug		*(PATH)*
h5delete		*(PATH)*
h5diff		*(PATH)*
h5dump		*(PATH)*
h5format_convert		*(PATH)*
h5fuse		*(PATH)*
h5import		*(PATH)*

h5jam		*(PATH)*
h5ls		*(PATH)*
h5mkgrp		*(PATH)*
h5perf_serial		*(PATH)*
h5repack		*(PATH)*
h5repart		*(PATH)*
h5stat		*(PATH)*
h5unjam		*(PATH)*
h5watch		*(PATH)*
haddock		*(PATH)*
haddock-ghc-9.6.6		*(PATH)*

halt		(PATH)
handle-sshpw		(PATH)
hardlink		(PATH)
haruna		(PATH)
has160-hash		(PATH)
hash		(PATH)
hb-info		(PATH)
hb-ot-shape-closure		(PATH)
hb-shape		(PATH)
hb-subset		(PATH)
hb-view		(PATH)

hddtemp (PATH)

hdparm (PATH)

hdrcalibrator (PATH)

head (PATH)

hevcencode (PATH)

hex2hcd (PATH)

hexdump (PATH)

hfs-bless (PATH)

homectl (PATH)

host (PATH)

hostid (PATH)

	hostname	*(PATH)*
	hostnamectl	*(PATH)*
	hp-align	*(PATH)*
	hp-clean	*(PATH)*
	hp-colorcal	*(PATH)*
	hp-config_usb_printer	*(PATH)*
	hp-diagnose_queues	*(PATH)*
	hp-fab	*(PATH)*
	hp-firmware	*(PATH)*
	hp-info	*(PATH)*
	hp-levels	*(PATH)*

hp-makeuri   (PATH)

hp-plugin   (PATH)

hp-plugin-download   (PATH)

hp-probe   (PATH)

hp-query   (PATH)

hp-scan   (PATH)

hp-sendfax   (PATH)

hp-setup   (PATH)

hp-testpage   (PATH)

hp-timedate   (PATH)

hp2ps   (PATH)

hp2ps-ghc-9.6.6 *(PATH)*

hp_alice3 *(PATH)*

hp_alm2map_cxx *(PATH)*

hp_alteralm *(PATH)*

hp_anafast *(PATH)*

hp_anafast_cxx *(PATH)*

hp_calc_powspec *(PATH)*

hp_compute_weights *(PATH)*

hp_hotspot *(PATH)*

hp_hotspots_cxx *(PATH)*

hp_map2gif *(PATH)*

hp_map2tga   *(PATH)*

hp_median_filter   *(PATH)*

hp_median_filter_cxx   *(PATH)*

hp_mult_alm   *(PATH)*

hp_needlet_tool   *(PATH)*

hp_plmgen   *(PATH)*

hp_process_mask   *(PATH)*

hp_rotalm_cxx   *(PATH)*

hp_sky_ng_sim   *(PATH)*

hp_sky_ng_sim_bin   *(PATH)*

hp_smoothing   *(PATH)*

hp_smoothing_cxx *(PATH)*

hp_syn_alm_cxx *(PATH)*

hp_synfast *(PATH)*

hp_ud_grade *(PATH)*

hp_udgrade_cxx *(PATH)*

hp_udgrade_harmonic_cxx *(PATH)*

hpc *(PATH)*

hpc-ghc-9.6.6 *(PATH)*

hpcups-update-ppds *(PATH)*

hpijs *(PATH)*

hsc2hs *(PATH)*

hsc2hs-ghc-9.6.6 *(PATH)*

htcacheclean *(PATH)*

htdbm *(PATH)*

htdigest *(PATH)*

htpasswd *(PATH)*

httpd *(PATH)*

httxt2dbm *(PATH)*

hugin_hdrmerge *(PATH)*

hugin_lensdb *(PATH)*

hugin_stacker *(PATH)*

hunspell *(PATH)*

hv_fcopy_uio_daemon *(PATH)*

hv_kvp_daemon *(PATH)*

hv_vss_daemon *(PATH)*

hwclock *(PATH)*

i2cdetect *(PATH)*

i2cdump *(PATH)*

i2cget *(PATH)*

i2cset *(PATH)*

i2ctransfer *(PATH)*

i386 *(PATH)*

i686-w64-mingw32-pkg-config *(PATH)*

iasecc-tool   *(PATH)*

iaxcomm   *(PATH)*

iaxphone   *(PATH)*

ibus   *(PATH)*

ibus-daemon   *(PATH)*

ibus-setup   *(PATH)*

iconv   *(PATH)*

iconvconfig   *(PATH)*

icotool   *(PATH)*

icu-config   *(PATH)*

icu-config-64   *(PATH)*

icuinfo   *(PATH)*

id   *(PATH)*

identify   *(PATH)*

idiag-socket-details   *(PATH)*

idle   *(PATH)*

idle3   *(PATH)*

idle3.10   *(PATH)*

idn   *(PATH)*

iecset   *(PATH)*

ifconfig   *(PATH)*

ifenslave   *(PATH)*

	ifnames	*(PATH)*
	ifstat	*(PATH)*
	iio_event_monitor	*(PATH)*
	iio_generic_buffer	*(PATH)*
	image-creator	*(PATH)*
	image-minimizer	*(PATH)*
	img2pdf	*(PATH)*
	img2pdf-gui	*(PATH)*
	img2simg	*(PATH)*
	implantisomd5	*(PATH)*
	import	*(PATH)*

importctl		*(PATH)*
indi_Excalibur		*(PATH)*
indi_aaf2_focus		*(PATH)*
indi_aagsolo_weather		*(PATH)*
indi_activefocuser_focus		*(PATH)*
indi_alluna_tcs2		*(PATH)*
indi_alpaca_dome		*(PATH)*
indi_alto		*(PATH)*
indi_arduinost4		*(PATH)*
indi_astrolink4		*(PATH)*
indi_astrolink4mini2		*(PATH)*

indi_astromech_lpm   *(PATH)*

indi_astromechfoc   *(PATH)*

indi_astrometry   *(PATH)*

indi_astrotrac_telescope   *(PATH)*

indi_baader_dome   *(PATH)*

indi_celestron_gps   *(PATH)*

indi_celestron_sct_focus   *(PATH)*

indi_cheapodc   *(PATH)*

indi_crux_mount   *(PATH)*

indi_ddw_dome   *(PATH)*

indi_deepskydad_af1_focus   *(PATH)*

indi_deepskydad_af2_focus		*(PATH)*
indi_deepskydad_af3_focus		*(PATH)*
indi_deepskydad_fp		*(PATH)*
indi_deepskydad_fr1		*(PATH)*
indi_dmfc_focus		*(PATH)*
indi_domepro2_dome		*(PATH)*
indi_dragon_light		*(PATH)*
indi_dragonlair_dome		*(PATH)*
indi_dreamfocuser_focus		*(PATH)*
indi_dsc_telescope		*(PATH)*
indi_efa_focus		*(PATH)*

indi_eq500x_telescope		*(PATH)*
indi_esatto_focus		*(PATH)*
indi_esattoarco_focus		*(PATH)*
indi_eval		*(PATH)*
indi_falcon_rotator		*(PATH)*
indi_falconv2_rotator		*(PATH)*
indi_fcusb_focus		*(PATH)*
indi_flipflat		*(PATH)*
indi_gemini_flatpanel		*(PATH)*
indi_gemini_focus		*(PATH)*
indi_getprop		*(PATH)*

	indi_giotto	*(PATH)*
	indi_gpusb	*(PATH)*
	indi_hid_test	*(PATH)*
	indi_hitecastrodc_focus	*(PATH)*
	indi_ieaf_focus	*(PATH)*
	indi_ieq_telescope	*(PATH)*
	indi_ieqlegacy_telescope	*(PATH)*
	indi_imager_agent	*(PATH)*
	indi_integra_focus	*(PATH)*
	indi_ioptronHC8406	*(PATH)*
	indi_ioptron_wheel	*(PATH)*

indi_ioptronv3_telescope		*(PATH)*
indi_ipx800v4		*(PATH)*
indi_joystick		*(PATH)*
indi_lacerta_mfoc_fmc_focus		*(PATH)*
indi_lacerta_mfoc_focus		*(PATH)*
indi_lakeside_focus		*(PATH)*
indi_lx200_10micron		*(PATH)*
indi_lx200_16		*(PATH)*
indi_lx200_OnStep		*(PATH)*
indi_lx200_OpenAstroTech		*(PATH)*
indi_lx200_TeenAstro		*(PATH)*

indi_lx200_pegasus_nyx101		*(PATH)*
indi_lx200am5		*(PATH)*
indi_lx200ap_legacy		*(PATH)*
indi_lx200ap_v2		*(PATH)*
indi_lx200autostar		*(PATH)*
indi_lx200basic		*(PATH)*
indi_lx200classic		*(PATH)*
indi_lx200fs2		*(PATH)*
indi_lx200gemini		*(PATH)*
indi_lx200generic		*(PATH)*
indi_lx200gotonova		*(PATH)*

indi_lx200gps *(PATH)*

indi_lx200pulsar2 *(PATH)*

indi_lx200ss2000pc *(PATH)*

indi_lx200zeq25 *(PATH)*

indi_lynx_focus *(PATH)*

indi_manual_wheel *(PATH)*

indi_mbox_weather *(PATH)*

indi_meta_weather *(PATH)*

indi_microtouch_focus *(PATH)*

indi_moonlite_focus *(PATH)*

indi_moonlitedro_focus *(PATH)*

indi_myDewControllerPro		*(PATH)*
indi_mydcp4esp32		*(PATH)*
indi_myfocuserpro2_focus		*(PATH)*
indi_nexdome_beaver		*(PATH)*
indi_nfocus		*(PATH)*
indi_nframe_rotator		*(PATH)*
indi_nightcrawler_focus		*(PATH)*
indi_nstep_focus		*(PATH)*
indi_onfocus_focus		*(PATH)*
indi_openweathermap_weather		*(PATH)*
indi_optec_wheel		*(PATH)*

indi_paramount_telescope		*(PATH)*
indi_pegasus_flatmaster		*(PATH)*
indi_pegasus_focuscube		*(PATH)*
indi_pegasus_focuscube3		*(PATH)*
indi_pegasus_ppb		*(PATH)*
indi_pegasus_ppba		*(PATH)*
indi_pegasus_prodigyMF		*(PATH)*
indi_pegasus_scopsoag		*(PATH)*
indi_pegasus_spb		*(PATH)*
indi_pegasus_uch		*(PATH)*
indi_pegasus_upb		*(PATH)*

indi_pegasusindigo_wheel		*(PATH)*
indi_perfectstar_focus		*(PATH)*
indi_planewave_deltat		*(PATH)*
indi_planewave_telescope		*(PATH)*
indi_pmc8_telescope		*(PATH)*
indi_pyxis_rotator		*(PATH)*
indi_qhycfw1_wheel		*(PATH)*
indi_qhycfw2_wheel		*(PATH)*
indi_qhycfw3_wheel		*(PATH)*
indi_quantum_wheel		*(PATH)*
indi_rainbow_telescope		*(PATH)*

indi_rainbowrsf_focus		*(PATH)*
indi_rbfocus_focus		*(PATH)*
indi_rigel_dome		*(PATH)*
indi_robo_focus		*(PATH)*
indi_rolloff_dome		*(PATH)*
indi_scopedome_dome		*(PATH)*
indi_script_dome		*(PATH)*
indi_script_telescope		*(PATH)*
indi_sestosenso2_focus		*(PATH)*
indi_sestosenso_focus		*(PATH)*
indi_setprop		*(PATH)*

indi_siefs_focus		*(PATH)*
indi_simulator_ccd		*(PATH)*
indi_simulator_dome		*(PATH)*
indi_simulator_dustcover		*(PATH)*
indi_simulator_focus		*(PATH)*
indi_simulator_gps		*(PATH)*
indi_simulator_guide		*(PATH)*
indi_simulator_io		*(PATH)*
indi_simulator_lightpanel		*(PATH)*
indi_simulator_receiver		*(PATH)*
indi_simulator_rotator		*(PATH)*

indi_simulator_sqm   *(PATH)*

indi_simulator_telescope   *(PATH)*

indi_simulator_weather   *(PATH)*

indi_simulator_wheel   *(PATH)*

indi_skycommander_telescope   *(PATH)*

indi_skysafari   *(PATH)*

indi_skywatcherAltAzMount   *(PATH)*

indi_smartfocus_focus   *(PATH)*

indi_snapcap   *(PATH)*

indi_spectracyber   *(PATH)*

indi_sqm_weather   *(PATH)*

indi_star2000	*(PATH)*	
indi_steeldrive2_focus	*(PATH)*	
indi_steeldrive_focus	*(PATH)*	
indi_synscan_telescope	*(PATH)*	
indi_synscanlegacy_telescope	*(PATH)*	
indi_tcfs3_focus	*(PATH)*	
indi_tcfs_focus	*(PATH)*	
indi_teenastro_focus	*(PATH)*	
indi_temma_telescope	*(PATH)*	
indi_terrans_powerboxgo_v2	*(PATH)*	
indi_terrans_powerboxpro_v2	*(PATH)*	

indi_trutech_wheel		*(PATH)*
indi_universalror_dome		*(PATH)*
indi_ups_safety		*(PATH)*
indi_uranus_weather		*(PATH)*
indi_usbdewpoint		*(PATH)*
indi_usbfocusv3_focus		*(PATH)*
indi_v4l2_ccd		*(PATH)*
indi_vantage_weather		*(PATH)*
indi_wanderer_cover		*(PATH)*
indi_wanderer_lite_rotator		*(PATH)*
indi_wanderer_rotator_lite_v2		*(PATH)*

indi_wanderer_rotator_mini		*(PATH)*
indi_wandererbox_plus_v3		*(PATH)*
indi_wandererbox_pro_v3		*(PATH)*
indi_wanderercover_v4_ec		*(PATH)*
indi_watchdog		*(PATH)*
indi_watcher_weather		*(PATH)*
indi_wavesharemodbus_relay		*(PATH)*
indi_weather_safety_alpaca		*(PATH)*
indi_weather_safety_proxy		*(PATH)*
indi_xagyl_wheel		*(PATH)*
indiserver		*(PATH)*

info		*(PATH)*
infocmp		*(PATH)*
infotocap		*(PATH)*
init		*(PATH)*
init.lxc		*(PATH)*
init.lxc.static		*(PATH)*
innochecksum		*(PATH)*
insmod		*(PATH)*
install		*(PATH)*
install-catalog		*(PATH)*
install-info		*(PATH)*

install-printerdriver   *(PATH)*

installkernel   *(PATH)*

instperf   *(PATH)*

intel-speed-select   *(PATH)*

intel_sdsi   *(PATH)*

invgeod   *(PATH)*

invproj   *(PATH)*

inxi   *(PATH)*

ionice   *(PATH)*

iostat   *(PATH)*

ip   *(PATH)*

ip6tables   *(PATH)*

ip6tables-nft   *(PATH)*

ip6tables-nft-restore   *(PATH)*

ip6tables-nft-save   *(PATH)*

ip6tables-restore   *(PATH)*

ip6tables-restore-translate   *(PATH)*

ip6tables-save   *(PATH)*

ip6tables-translate   *(PATH)*

ipcalc   *(PATH)*

ipcmk   *(PATH)*

ipcrm   *(PATH)*

ipcs   *(PATH)*

ipmaddr   *(PATH)*

ipmi-chassis   *(PATH)*

ipmi-chassis-config   *(PATH)*

ipmi-config   *(PATH)*

ipmi-console   *(PATH)*

ipmi-dcmi   *(PATH)*

ipmi-detect   *(PATH)*

ipmi-fru   *(PATH)*

ipmi-locate   *(PATH)*

ipmi-oem   *(PATH)*

ipmi-pef-config   *(PATH)*

ipmi-pet   *(PATH)*

ipmi-ping   *(PATH)*

ipmi-power   *(PATH)*

ipmi-raw   *(PATH)*

ipmi-sel   *(PATH)*

ipmi-sensors   *(PATH)*

ipmi-sensors-config   *(PATH)*

ipmiconsole   *(PATH)*

ipmidetect   *(PATH)*

ipmimonitoring   *(PATH)*

ipmiping   *(PATH)*

ipmipower   *(PATH)*

ipmitool   *(PATH)*

ipp-usb   *(PATH)*

ippeveprinter   *(PATH)*

ippfind   *(PATH)*

ipptool   *(PATH)*

ipset   *(PATH)*

ipset-translate   *(PATH)*

iptables   *(PATH)*

iptables-nft   *(PATH)*

	iptables-nft-restore	*(PATH)*
	iptables-nft-save	*(PATH)*
	iptables-restore	*(PATH)*
	iptables-restore-translate	*(PATH)*
	iptables-save	*(PATH)*
	iptables-translate	*(PATH)*
	iptc	*(PATH)*
	iptstate	*(PATH)*
	iptunnel	*(PATH)*
	irb	*(PATH)*
	irqbalance	*(PATH)*

irqtop *(PATH)*

isa-info *(PATH)*

isadump *(PATH)*

isaset *(PATH)*

iscsi-iname *(PATH)*

iscsiadm *(PATH)*

iscsid *(PATH)*

iscsistart *(PATH)*

iscsiuio *(PATH)*

iso-info *(PATH)*

iso-read *(PATH)*

isodebug		(PATH)
isodump		(PATH)
isohybrid		(PATH)
isoinfo		(PATH)
isosize		(PATH)
isovfy		(PATH)
isql		(PATH)
isql-fb		(PATH)
iusql		(PATH)
iw		(PATH)
jaotc		(PATH)

	jar	*(PATH)*
	jarsigner	*(PATH)*
	java	*(PATH)*
	java2html	*(PATH)*
	java_dev_appserver.sh	*(PATH)*
	javac	*(PATH)*
	javadoc	*(PATH)*
	javap	*(PATH)*
	jcat-tool	*(PATH)*
	jcmd	*(PATH)*
	jconsole	*(PATH)*

jdb (PATH)

jdeprscan (PATH)

jdeps (PATH)

jfr (PATH)

jhsdb (PATH)

jimage (PATH)

jinfo (PATH)

jjs (PATH)

jlink (PATH)

jmap (PATH)

jmod (PATH)

jmtpfs   (PATH)

jobs   (PATH)

join   (PATH)

journalctl   (PATH)

jp.py   (PATH)

jpackage   (PATH)

jpegenc   (PATH)

jps   (PATH)

jq   (PATH)

jrunscript   (PATH)

jshell   (PATH)

json_reformat		*(PATH)*
json_verify		*(PATH)*
jsonschema		*(PATH)*
jstack		*(PATH)*
jstat		*(PATH)*
jstatd		*(PATH)*
jwebserver		*(PATH)*
kaccess		*(PATH)*
kactivities-cli		*(PATH)*
kalk		*(PATH)*
kamoso		*(PATH)*

	kapplymousetheme	*(PATH)*
	kasts	*(PATH)*
	kate-syntax-highlighter	*(PATH)*
	kbd_mode	*(PATH)*
	kbdinfo	*(PATH)*
	kbdrate	*(PATH)*
	kbroadcastnotification	*(PATH)*
	kbuildsycoca4	*(PATH)*
	kbuildsycoca5	*(PATH)*
	kbuildsycoca6	*(PATH)*
	kbxutil	*(PATH)*

![icon]	kcapi-hasher	*(PATH)*
![icon]	kclock	*(PATH)*
![icon]	kclockd	*(PATH)*
![icon]	kcm-touchpad-list-devices	*(PATH)*
![icon]	kcminit	*(PATH)*
![icon]	kcminit_startup	*(PATH)*
![icon]	kcmshell6	*(PATH)*
![icon]	kcolorschemeeditor	*(PATH)*
![icon]	kcookiejar4	*(PATH)*
![icon]	kcookiejar5	*(PATH)*
![icon]	kcursorgen	*(PATH)*

	kde-geo-uri-handler	*(PATH)*
	kde-inhibit	*(PATH)*
	kde-inotify-survey	*(PATH)*
	kde-open	*(PATH)*
	kde-open5	*(PATH)*
	kde-systemd-start-condition	*(PATH)*
	kde4-config	*(PATH)*
	kdebugdialog5	*(PATH)*
	kdecp	*(PATH)*
	kdecp5	*(PATH)*
	kded4	*(PATH)*

	kded5	*(PATH)*
	kded6	*(PATH)*
	kdeinit4	*(PATH)*
	kdeinit4_shutdown	*(PATH)*
	kdeinit4_wrapper	*(PATH)*
	kdeinit5	*(PATH)*
	kdeinit5_shutdown	*(PATH)*
	kdeinit5_wrapper	*(PATH)*
	kdemv	*(PATH)*
	kdemv5	*(PATH)*
	kdenlive	*(PATH)*

kdenlive_render   *(PATH)*

kdesu   *(PATH)*

kdumpctl   *(PATH)*

keditfiletype   *(PATH)*

keditfiletype5   *(PATH)*

kernel-install   *(PATH)*

kexec   *(PATH)*

key.dns_resolver   *(PATH)*

keyctl   *(PATH)*

keysmith   *(PATH)*

keytool   *(PATH)*

kf5-config *(PATH)*

kfilemetadata_dump6 *(PATH)*

kfontinst *(PATH)*

kfontview *(PATH)*

kgendesignerplugin *(PATH)*

kiconfinder5 *(PATH)*

kiconfinder6 *(PATH)*

kill *(PATH)*

killall *(PATH)*

kinfo *(PATH)*

kinfocenter *(PATH)*

kioclient *(PATH)*

kioclient5 *(PATH)*

kjs *(PATH)*

kjscmd *(PATH)*

kmailservice *(PATH)*

kmenuedit *(PATH)*

kmimetypefinder *(PATH)*

kmimetypefinder5 *(PATH)*

kmod *(PATH)*

kmodgenca *(PATH)*

kmodtool *(PATH)*

knetattach *(PATH)*

knewstuff-dialog *(PATH)*

knewstuff-dialog6 *(PATH)*

koi8rxterm *(PATH)*

koko *(PATH)*

kpackagetool5 *(PATH)*

kpackagetool6 *(PATH)*

kpartx *(PATH)*

kquitapp5 *(PATH)*

kquitapp6 *(PATH)*

krb5-config *(PATH)*

	kreadconfig5	*(PATH)*
	kreadconfig6	*(PATH)*
	krecorder	*(PATH)*
	krita	*(PATH)*
	krita_version	*(PATH)*
	kritarunner	*(PATH)*
	kross	*(PATH)*
	krunner	*(PATH)*
	krunner-plugininstaller	*(PATH)*
	kscreen-console	*(PATH)*
	kscreen-doctor	*(PATH)*

	ksecretd	*(PATH)*
	kshell4	*(PATH)*
	kshell5	*(PATH)*
	ksmserver	*(PATH)*
	ksplashqml	*(PATH)*
	kstars	*(PATH)*
	kstart	*(PATH)*
	kstart5	*(PATH)*
	kstatsviewer	*(PATH)*
	ksvgtopng	*(PATH)*
	ksvgtopng5	*(PATH)*

ksyntaxhighlighter6   *(PATH)*

ksystemstats   *(PATH)*

ktelnetservice   *(PATH)*

ktelnetservice5   *(PATH)*

ktelnetservice6   *(PATH)*

ktexteditor-script-tester6   *(PATH)*

ktrash5   *(PATH)*

ktrash6   *(PATH)*

kunifiedpush-distributor   *(PATH)*

kunittestmodrunner   *(PATH)*

kvm_stat   *(PATH)*

kwallet-query *(PATH)*

kwalletd6 *(PATH)*

kweather *(PATH)*

kwin *(PATH)*

kwin_wayland *(PATH)*

kwin_wayland_wrapper *(PATH)*

kwin_x11 *(PATH)*

kwrapper4 *(PATH)*

kwrapper5 *(PATH)*

kwriteconfig5 *(PATH)*

kwriteconfig6 *(PATH)*

kxkb2locale1		*(PATH)*
lame		*(PATH)*
last		*(PATH)*
lastb		*(PATH)*
lastcomm		*(PATH)*
lastlog		*(PATH)*
lchage		*(PATH)*
lchfn		*(PATH)*
lchsh		*(PATH)*
lconvert-qt6		*(PATH)*
ld		*(PATH)*

ld.bfd *(PATH)*

ld.so *(PATH)*

ldattach *(PATH)*

ldconfig *(PATH)*

ldd *(PATH)*

leafpad *(PATH)*

legacy-printer-app *(PATH)*

less *(PATH)*

lessecho *(PATH)*

lesskey *(PATH)*

lesspipe.sh *(PATH)*

	lex	*(PATH)*
	lexgrog	*(PATH)*
	lgroupadd	*(PATH)*
	lgroupdel	*(PATH)*
	lgroupmod	*(PATH)*
	libesmtp-config	*(PATH)*
	libieee1284_test	*(PATH)*
	libinput	*(PATH)*
	libnovaconfig	*(PATH)*
	libpng-config	*(PATH)*
	libpng16-config	*(PATH)*

libreoffice *(PATH)*

libtool *(PATH)*

libtoolize *(PATH)*

libvirtd *(PATH)*

libwacom-list-local-devices *(PATH)*

libwacom-update-db *(PATH)*

lid *(PATH)*

linefind *(PATH)*

linguist-qt6 *(PATH)*

link *(PATH)*

linux-boot-prober *(PATH)*

linux32   *(PATH)*

linux64   *(PATH)*

listgeo   *(PATH)*

livecd-creator   *(PATH)*

livecd-iso-to-disk   *(PATH)*

livecd-iso-to-pxeboot   *(PATH)*

liveimage-mount   *(PATH)*

liveinst   *(PATH)*

livemedia-creator   *(PATH)*

ln   *(PATH)*

lnewusers   *(PATH)*

lnstat		*(PATH)*
load_policy		*(PATH)*
loadjpeg		*(PATH)*
loadkeys		*(PATH)*
loadunimap		*(PATH)*
locale		*(PATH)*
localectl		*(PATH)*
localedef		*(PATH)*
localsearch		*(PATH)*
locate		*(PATH)*
lockdev		*(PATH)*

lockfile   *(PATH)*

loggen   *(PATH)*

logger   *(PATH)*

login   *(PATH)*

loginctl   *(PATH)*

logname   *(PATH)*

logresolve   *(PATH)*

logrotate   *(PATH)*

logsave   *(PATH)*

look   *(PATH)*

lookandfeeltool   *(PATH)*

lorax		*(PATH)*
losetup		*(PATH)*
lowntfs-3g		*(PATH)*
lp		*(PATH)*
lp.cups		*(PATH)*
lp_solve		*(PATH)*
lpadd		*(PATH)*
lpadmin		*(PATH)*
lpasswd		*(PATH)*
lpc		*(PATH)*
lpc.cups		*(PATH)*

lpdump   (PATH)

lpflash   (PATH)

lpinfo   (PATH)

lpmake   (PATH)

lpmove   (PATH)

lpoptions   (PATH)

lpq   (PATH)

lpq.cups   (PATH)

lpr   (PATH)

lpr.cups   (PATH)

lprm   (PATH)

lprm.cups		*(PATH)*
lpstat		*(PATH)*
lpstat.cups		*(PATH)*
lpunpack		*(PATH)*
lrelease-qt6		*(PATH)*
ls		*(PATH)*
lsattr		*(PATH)*
lsb-release		*(PATH)*
lsb_release		*(PATH)*
lsblk		*(PATH)*
lsclocks		*(PATH)*

lscp   (PATH)

lscpu   (PATH)

lsfd   (PATH)

lsgpio   (PATH)

lshw   (PATH)

lsiio   (PATH)

lsinitrd   (PATH)

lsipc   (PATH)

lsirq   (PATH)

lslocks   (PATH)

lslogins   (PATH)

lsmdev		(PATH)
lsmem		(PATH)
lsmod		(PATH)
lsns		(PATH)
lsof		(PATH)
lspci		(PATH)
lssu		(PATH)
lsusb		(PATH)
lsusb.py		(PATH)
lt		(PATH)
lto-dump		(PATH)

luminance-hdr   *(PATH)*

luminance-hdr-cli   *(PATH)*

lupdate-qt6   *(PATH)*

luseradd   *(PATH)*

luserdel   *(PATH)*

lusermod   *(PATH)*

lvchange   *(PATH)*

lvconvert   *(PATH)*

lvcreate   *(PATH)*

lvdisplay   *(PATH)*

lvextend   *(PATH)*

lvm   (PATH)

lvm-cache-stats   (PATH)

lvm_import_vdo   (PATH)

lvmconfig   (PATH)

lvmdbusd   (PATH)

lvmdevices   (PATH)

lvmdiskscan   (PATH)

lvmdump   (PATH)

lvmpolld   (PATH)

lvmsadc   (PATH)

lvmsar   (PATH)

lvreduce   *(PATH)*

lvremove   *(PATH)*

lvrename   *(PATH)*

lvresize   *(PATH)*

lvs   *(PATH)*

lvscan   *(PATH)*

lwp-download   *(PATH)*

lwp-dump   *(PATH)*

lwp-mirror   *(PATH)*

lwp-request   *(PATH)*

lxc-attach   *(PATH)*

lxc-autostart   *(PATH)*

lxc-cgroup   *(PATH)*

lxc-checkconfig   *(PATH)*

lxc-checkpoint   *(PATH)*

lxc-config   *(PATH)*

lxc-console   *(PATH)*

lxc-copy   *(PATH)*

lxc-create   *(PATH)*

lxc-destroy   *(PATH)*

lxc-device   *(PATH)*

lxc-execute   *(PATH)*

lxc-freeze   *(PATH)*

lxc-info   *(PATH)*

lxc-ls   *(PATH)*

lxc-monitor   *(PATH)*

lxc-snapshot   *(PATH)*

lxc-start   *(PATH)*

lxc-stop   *(PATH)*

lxc-top   *(PATH)*

lxc-unfreeze   *(PATH)*

lxc-unshare   *(PATH)*

lxc-update-config   *(PATH)*

lxc-usernsexec		*(PATH)*
lxc-wait		*(PATH)*
lxcfs		*(PATH)*
lxterminal		*(PATH)*
lz		*(PATH)*
lzcat		*(PATH)*
lzcmp		*(PATH)*
lzdiff		*(PATH)*
lzegrep		*(PATH)*
lzfgrep		*(PATH)*
lzgrep		*(PATH)*

lzless		*(PATH)*
lzma		*(PATH)*
lzmadec		*(PATH)*
lzmainfo		*(PATH)*
lzmore		*(PATH)*
lzop		*(PATH)*
m4		*(PATH)*
mac2unix		*(PATH)*
machinectl		*(PATH)*
magick		*(PATH)*
magick-script		*(PATH)*

magnet-link		*(PATH)*
mailq		*(PATH)*
mailq.opensmtpd		*(PATH)*
mailq.postfix		*(PATH)*
mailq.ssmtp		*(PATH)*
mailstat		*(PATH)*
make		*(PATH)*
make-dummy-cert		*(PATH)*
make_f2fs		*(PATH)*
makedeltarpm		*(PATH)*
makedumpfile		*(PATH)*

makegeo   *(PATH)*

makemap.opensmtpd   *(PATH)*

mako-render   *(PATH)*

mako-render-3   *(PATH)*

mako-render-3.13   *(PATH)*

malcontent-control   *(PATH)*

maliit-keyboard   *(PATH)*

maliit-server   *(PATH)*

man   *(PATH)*

man-recode   *(PATH)*

man.man-db   *(PATH)*

	mandb	*(PATH)*
	manpath	*(PATH)*
	mapscrn	*(PATH)*
	marble-qt	*(PATH)*
	mariabackup	*(PATH)*
	mariadb	*(PATH)*
	mariadb-access	*(PATH)*
	mariadb-admin	*(PATH)*
	mariadb-backup	*(PATH)*
	mariadb-binlog	*(PATH)*
	mariadb-check	*(PATH)*

	mariadb-conv	*(PATH)*
	mariadb-convert-table-format	*(PATH)*
	mariadb-dump	*(PATH)*
	mariadb-dumpslow	*(PATH)*
	mariadb-find-rows	*(PATH)*
	mariadb-fix-extensions	*(PATH)*
	mariadb-hotcopy	*(PATH)*
	mariadb-import	*(PATH)*
	mariadb-install-db	*(PATH)*
	mariadb-plugin	*(PATH)*
	mariadb-secure-installation	*(PATH)*

	mariadb-service-convert	*(PATH)*
	mariadb-setpermission	*(PATH)*
	mariadb-show	*(PATH)*
	mariadb-slap	*(PATH)*
	mariadb-tzinfo-to-sql	*(PATH)*
	mariadb-upgrade	*(PATH)*
	mariadb-waitpid	*(PATH)*
	mariadbd	*(PATH)*
	mariadbd-multi	*(PATH)*
	mariadbd-safe	*(PATH)*
	mariadbd-safe-helper	*(PATH)*

marknote		*(PATH)*
matchpathcon		*(PATH)*
mate-desktop-item-edit		*(PATH)*
mate-panel		*(PATH)*
mate-panel-test-applets		*(PATH)*
mattrib		*(PATH)*
mbadblocks		*(PATH)*
mbim-network		*(PATH)*
mbimcli		*(PATH)*
mbstream		*(PATH)*
mc-tool		*(PATH)*

mc-wait-for-name   *(PATH)*

mcat   *(PATH)*

mcd   *(PATH)*

mcelog   *(PATH)*

mcheck   *(PATH)*

mcomp   *(PATH)*

mcookie   *(PATH)*

mcopy   *(PATH)*

md2html   *(PATH)*

md5sum   *(PATH)*

mdadm   *(PATH)*

	mdel	*(PATH)*
	mdeltree	*(PATH)*
	mdevctl	*(PATH)*
	mdir	*(PATH)*
	mdmon	*(PATH)*
	mdoctorfat	*(PATH)*
	mdsearch	*(PATH)*
	mdu	*(PATH)*
	mediawriter	*(PATH)*
	meinproc4	*(PATH)*
	meinproc4_simple	*(PATH)*

meinproc5 *(PATH)*

meinproc6 *(PATH)*

melt-7 *(PATH)*

memdiskfind *(PATH)*

memstrack *(PATH)*

mesg *(PATH)*

metacity *(PATH)*

metacity-message *(PATH)*

mformat *(PATH)*

microdnf *(PATH)*

mid3cp *(PATH)*

mid3iconv		*(PATH)*
mid3v2		*(PATH)*
mii-diag		*(PATH)*
mii-tool		*(PATH)*
minfo		*(PATH)*
mingw-nm		*(PATH)*
mingw-objcopy		*(PATH)*
mingw-objdump		*(PATH)*
mingw-strip		*(PATH)*
mingw32-cmake		*(PATH)*
mingw32-configure		*(PATH)*

mingw32-make   (PATH)

mingw32-meson   (PATH)

mingw32-pkg-config   (PATH)

mingw32-python3   (PATH)

mingw64-cmake   (PATH)

mingw64-configure   (PATH)

mingw64-make   (PATH)

mingw64-meson   (PATH)

mingw64-pkg-config   (PATH)

mingw64-python3   (PATH)

mintlocale   (PATH)

	mkafmmap	*(PATH)*
	mkbiarch	*(PATH)*
	mkbootimg	*(PATH)*
	mkcp	*(PATH)*
	mkdict	*(PATH)*
	mkdir	*(PATH)*
	mkdoc	*(PATH)*
	mkdosfs	*(PATH)*
	mkdtboimg	*(PATH)*
	mkdumprd	*(PATH)*
	mke2fs	*(PATH)*

	mke2fs.android	*(PATH)*
	mkefiboot	*(PATH)*
	mkfifo	*(PATH)*
	mkfontdir	*(PATH)*
	mkfontscale	*(PATH)*
	mkfs	*(PATH)*
	mkfs.btrfs	*(PATH)*
	mkfs.cramfs	*(PATH)*
	mkfs.erofs	*(PATH)*
	mkfs.exfat	*(PATH)*
	mkfs.ext2	*(PATH)*

mkfs.ext3		*(PATH)*
mkfs.ext4		*(PATH)*
mkfs.f2fs		*(PATH)*
mkfs.fat		*(PATH)*
mkfs.hfsplus		*(PATH)*
mkfs.minix		*(PATH)*
mkfs.msdos		*(PATH)*
mkfs.nilfs2		*(PATH)*
mkfs.ntfs		*(PATH)*
mkfs.udf		*(PATH)*
mkfs.vfat		*(PATH)*

mkfs.xfs		*(PATH)*
mkhomedir_helper		*(PATH)*
mkisofs		*(PATH)*
mkksiso		*(PATH)*
mklost+found		*(PATH)*
mkmanifest		*(PATH)*
mknod		*(PATH)*
mkntfs		*(PATH)*
mkpasswd		*(PATH)*
mksquashfs		*(PATH)*
mkswap		*(PATH)*

mktemp   *(PATH)*

mkudffs   *(PATH)*

mlabel   *(PATH)*

mlt-melt   *(PATH)*

mmc-tool   *(PATH)*

mmcli   *(PATH)*

mmd   *(PATH)*

mmdblookup   *(PATH)*

mmount   *(PATH)*

mmove   *(PATH)*

moc-qt5   *(PATH)*

	modinfo	*(PATH)*
	modprobe	*(PATH)*
	modulemd-validator	*(PATH)*
	moggsplit	*(PATH)*
	mogrify	*(PATH)*
	mokutil	*(PATH)*
	monitor-sensor	*(PATH)*
	montage	*(PATH)*
	more	*(PATH)*
	mount	*(PATH)*
	mount.cifs	*(PATH)*

mount.ddi		*(PATH)*
mount.fuse		*(PATH)*
mount.fuse3		*(PATH)*
mount.glusterfs		*(PATH)*
mount.lowntfs-3g		*(PATH)*
mount.nfs		*(PATH)*
mount.nfs4		*(PATH)*
mount.nilfs2		*(PATH)*
mount.ntfs		*(PATH)*
mount.ntfs-3g		*(PATH)*
mount.ntfs-fuse		*(PATH)*

	mount.smb3	*(PATH)*
	mount.zfs	*(PATH)*
	mountpoint	*(PATH)*
	mountstats	*(PATH)*
	mozcerts	*(PATH)*
	mozcerts-qt6	*(PATH)*
	mp3rtp	*(PATH)*
	mpage	*(PATH)*
	mpartition	*(PATH)*
	mpeg2desc	*(PATH)*
	mpeg2vaenc	*(PATH)*

mpeg2vldemo   *(PATH)*

mpris-proxy   *(PATH)*

mpstat   *(PATH)*

mrd   *(PATH)*

mren   *(PATH)*

msgattrib   *(PATH)*

msgcat   *(PATH)*

msgcmp   *(PATH)*

msgcomm   *(PATH)*

msgconv   *(PATH)*

msgen   *(PATH)*

msgexec		*(PATH)*
msgfilter		*(PATH)*
msgfmt		*(PATH)*
msgfmt3.11.py		*(PATH)*
msggrep		*(PATH)*
msginit		*(PATH)*
msgmerge		*(PATH)*
msgunfmt		*(PATH)*
msguniq		*(PATH)*
mshortname		*(PATH)*
mshowfat		*(PATH)*

msidb *(PATH)*

msiexec *(PATH)*

msmtp *(PATH)*

msmtpd *(PATH)*

msql2mysql *(PATH)*

mtools *(PATH)*

mtoolstest *(PATH)*

mtp-albumart *(PATH)*

mtp-albums *(PATH)*

mtp-connect *(PATH)*

mtp-delfile *(PATH)*

mtp-detect		*(PATH)*
mtp-emptyfolders		*(PATH)*
mtp-files		*(PATH)*
mtp-filetree		*(PATH)*
mtp-folders		*(PATH)*
mtp-format		*(PATH)*
mtp-getfile		*(PATH)*
mtp-getplaylist		*(PATH)*
mtp-hotplug		*(PATH)*
mtp-newfolder		*(PATH)*
mtp-newplaylist		*(PATH)*

	mtp-playlists	*(PATH)*
	mtp-reset	*(PATH)*
	mtp-sendfile	*(PATH)*
	mtp-sendtr	*(PATH)*
	mtp-thumb	*(PATH)*
	mtp-tracks	*(PATH)*
	mtp-trexist	*(PATH)*
	mtpaint	*(PATH)*
	mtr	*(PATH)*
	mtr-packet	*(PATH)*
	mtype	*(PATH)*

mujs		*(PATH)*
mujs-pp		*(PATH)*
mutagen-inspect		*(PATH)*
mutagen-pony		*(PATH)*
mutter		*(PATH)*
mv		*(PATH)*
mvxattr		*(PATH)*
mxtar		*(PATH)*
my_print_defaults		*(PATH)*
myisam_ftdump		*(PATH)*
myisamchk		*(PATH)*

	myisamlog	*(PATH)*
	myisampack	*(PATH)*
	mysql	*(PATH)*
	mysql_convert_table_format	*(PATH)*
	mysql_find_rows	*(PATH)*
	mysql_fix_extensions	*(PATH)*
	mysql_install_db	*(PATH)*
	mysql_plugin	*(PATH)*
	mysql_secure_installation	*(PATH)*
	mysql_setpermission	*(PATH)*
	mysql_tzinfo_to_sql	*(PATH)*

	mysql_upgrade	*(PATH)*
	mysql_waitpid	*(PATH)*
	mysqlaccess	*(PATH)*
	mysqladmin	*(PATH)*
	mysqlbinlog	*(PATH)*
	mysqlcheck	*(PATH)*
	mysqld	*(PATH)*
	mysqld_multi	*(PATH)*
	mysqld_safe	*(PATH)*
	mysqld_safe_helper	*(PATH)*
	mysqldump	*(PATH)*

mysqldumpslow		*(PATH)*
mysqlhotcopy		*(PATH)*
mysqlimport		*(PATH)*
mysqlshow		*(PATH)*
mysqlslap		*(PATH)*
mzip		*(PATH)*
named-checkzone		*(PATH)*
named-compilezone		*(PATH)*
named-nzd2nzf		*(PATH)*
namei		*(PATH)*
nameif		*(PATH)*

nano   *(PATH)*

nautilus   *(PATH)*

nautilus-autorun-software   *(PATH)*

nbackup   *(PATH)*

nbdcopy   *(PATH)*

nbddump   *(PATH)*

nbdinfo   *(PATH)*

nbdkit   *(PATH)*

nc   *(PATH)*

nc4print   *(PATH)*

ncat   *(PATH)*

nccopy   *(PATH)*

ncdump   *(PATH)*

ncgen   *(PATH)*

ncgen3   *(PATH)*

ncurses6-config   *(PATH)*

ncursesw6-config   *(PATH)*

ndctl   *(PATH)*

ndptool   *(PATH)*

nemo   *(PATH)*

nemo-action-layout-editor   *(PATH)*

nemo-autorun-software   *(PATH)*

nemo-connect-server		*(PATH)*
nemo-desktop		*(PATH)*
nemo-epub2text		*(PATH)*
nemo-mso-to-txt		*(PATH)*
nemo-odf-to-txt		*(PATH)*
nemo-open-with		*(PATH)*
nemo-ppt-to-txt		*(PATH)*
nemo-xls-to-txt		*(PATH)*
nenscript		*(PATH)*
neochat		*(PATH)*
neqn		*(PATH)*

nestopia		*(PATH)*
net		*(PATH)*
netkey-tool		*(PATH)*
netstat		*(PATH)*
networkctl		*(PATH)*
newaliases		*(PATH)*
newaliases.opensmtpd		*(PATH)*
newaliases.postfix		*(PATH)*
newaliases.ssmtp		*(PATH)*
newgidmap		*(PATH)*
newgrp		*(PATH)*

newuidmap		(PATH)
newusers		(PATH)
nf-ct-add		(PATH)
nf-ct-events		(PATH)
nf-ct-list		(PATH)
nf-exp-add		(PATH)
nf-exp-delete		(PATH)
nf-exp-list		(PATH)
nf-log		(PATH)
nf-monitor		(PATH)
nf-queue		(PATH)

nfc		*(PATH)*
nfsconf		*(PATH)*
nfsdcld		*(PATH)*
nfsdclddb		*(PATH)*
nfsdclnts		*(PATH)*
nfsdctl		*(PATH)*
nfsidmap		*(PATH)*
nfsiostat		*(PATH)*
nfsref		*(PATH)*
nfsstat		*(PATH)*
nft		*(PATH)*

	ngettext	*(PATH)*
	ngrok	*(PATH)*
	nhlt-dmic-info	*(PATH)*
	nice	*(PATH)*
	nilfs-clean	*(PATH)*
	nilfs-resize	*(PATH)*
	nilfs-tune	*(PATH)*
	nilfs_cleanerd	*(PATH)*
	nisdomainname	*(PATH)*
	nl	*(PATH)*
	nl-addr-add	*(PATH)*

nl-addr-delete		*(PATH)*
nl-addr-list		*(PATH)*
nl-class-add		*(PATH)*
nl-class-delete		*(PATH)*
nl-class-list		*(PATH)*
nl-classid-lookup		*(PATH)*
nl-cls-add		*(PATH)*
nl-cls-delete		*(PATH)*
nl-cls-list		*(PATH)*
nl-fib-lookup		*(PATH)*
nl-link-enslave		*(PATH)*

nl-link-ifindex2name   *(PATH)*

nl-link-list   *(PATH)*

nl-link-name2ifindex   *(PATH)*

nl-link-release   *(PATH)*

nl-link-set   *(PATH)*

nl-link-stats   *(PATH)*

nl-list-caches   *(PATH)*

nl-list-sockets   *(PATH)*

nl-monitor   *(PATH)*

nl-neigh-add   *(PATH)*

nl-neigh-delete   *(PATH)*

 nl-neigh-list   *(PATH)*

 nl-neightbl-list   *(PATH)*

 nl-nh-list   *(PATH)*

 nl-pktloc-lookup   *(PATH)*

 nl-qdisc-add   *(PATH)*

 nl-qdisc-delete   *(PATH)*

 nl-qdisc-list   *(PATH)*

 nl-route-add   *(PATH)*

 nl-route-delete   *(PATH)*

 nl-route-get   *(PATH)*

 nl-route-list   *(PATH)*

nl-rule-list *(PATH)*

nl-tctree-list *(PATH)*

nl-util-addr *(PATH)*

nm *(PATH)*

nm-applet *(PATH)*

nm-connection-editor *(PATH)*

nm-online *(PATH)*

nmblookup *(PATH)*

nmcli *(PATH)*

nns *(PATH)*

nnsd *(PATH)*

	nnslog	*(PATH)*
	node	*(PATH)*
	node-22	*(PATH)*
	nohup	*(PATH)*
	nologin	*(PATH)*
	nona	*(PATH)*
	normalizer	*(PATH)*
	notepad	*(PATH)*
	notify-send	*(PATH)*
	npa-tool	*(PATH)*
	npm	*(PATH)*

npm-22 *(PATH)*

nproc *(PATH)*

npx *(PATH)*

npx-22 *(PATH)*

nroff *(PATH)*

nsec3hash *(PATH)*

nsenter *(PATH)*

nslookup *(PATH)*

nstat *(PATH)*

nsupdate *(PATH)*

ntfs-3g *(PATH)*

	ntfs-3g.probe	*(PATH)*
	ntfscat	*(PATH)*
	ntfsck	*(PATH)*
	ntfsclone	*(PATH)*
	ntfscluster	*(PATH)*
	ntfscmp	*(PATH)*
	ntfscp	*(PATH)*
	ntfsdecrypt	*(PATH)*
	ntfsdump_logfile	*(PATH)*
	ntfsfallocate	*(PATH)*
	ntfsfix	*(PATH)*

ntfsinfo   *(PATH)*

ntfslabel   *(PATH)*

ntfsls   *(PATH)*

ntfsmftalloc   *(PATH)*

ntfsmount   *(PATH)*

ntfsmove   *(PATH)*

ntfsrecover   *(PATH)*

ntfsresize   *(PATH)*

ntfssecaudit   *(PATH)*

ntfstruncate   *(PATH)*

ntfsundelete   *(PATH)*

ntfsusermap (PATH)

ntfswipe (PATH)

ntlm_auth (PATH)

numad (PATH)

numfmt (PATH)

numpy-config (PATH)

nvidia-bug-report.sh (PATH)

nvidia-modprobe (PATH)

nvidia-pcc (PATH)

nvidia-powerd (PATH)

nvidia-settings (PATH)

nvidia-sleep.sh		*(PATH)*
nvme		*(PATH)*
oLschema2ldif		*(PATH)*
objcopy		*(PATH)*
objdump		*(PATH)*
objectweb-asm-processor		*(PATH)*
ocprint		*(PATH)*
ocsptool		*(PATH)*
od		*(PATH)*
odbc_config		*(PATH)*
odbcinst		*(PATH)*

	odt2txt	*(PATH)*
	ogdi_import	*(PATH)*
	ogdi_info	*(PATH)*
	okular	*(PATH)*
	okularkirigami	*(PATH)*
	oobase	*(PATH)*
	oocalc	*(PATH)*
	oodraw	*(PATH)*
	ooffice	*(PATH)*
	ooimpress	*(PATH)*
	oomctl	*(PATH)*

ooviewdoc		(PATH)
oowriter		(PATH)
openal-info		(PATH)
openoffice.org		(PATH)
openpgp-tool		(PATH)
opensc-asn1		(PATH)
opensc-explorer		(PATH)
opensc-tool		(PATH)
openssl		(PATH)
openvt		(PATH)
optscript		(PATH)

opusdec   *(PATH)*

opusenc   *(PATH)*

opusinfo   *(PATH)*

orc-bugreport   *(PATH)*

orca   *(PATH)*

os-prober   *(PATH)*

osinfo-db-export   *(PATH)*

osinfo-db-import   *(PATH)*

osinfo-db-path   *(PATH)*

osinfo-db-validate   *(PATH)*

osinfo-detect   *(PATH)*

osinfo-install-script		*(PATH)*
osinfo-query		*(PATH)*
osirrox		*(PATH)*
over		*(PATH)*
ownership		*(PATH)*
p11-kit		*(PATH)*
p11tool		*(PATH)*
pacat		*(PATH)*
pack200		*(PATH)*
pacmd		*(PATH)*
pactl		*(PATH)*

padsp   *(PATH)*

padsp-32   *(PATH)*

page   *(PATH)*

page_owner_sort   *(PATH)*

pam_namespace_helper   *(PATH)*

pam_timestamp_check   *(PATH)*

pamon   *(PATH)*

pango-list   *(PATH)*

pango-segmentation   *(PATH)*

pango-view   *(PATH)*

pano_modify   *(PATH)*

pano_trafo		*(PATH)*
paplay		*(PATH)*
paps		*(PATH)*
parec		*(PATH)*
parecord		*(PATH)*
parse.f2fs		*(PATH)*
parsetrigrams		*(PATH)*
parsetrigrams6		*(PATH)*
parted		*(PATH)*
partprobe		*(PATH)*
partx		*(PATH)*

passim		*(PATH)*
passt		*(PATH)*
passt-repair		*(PATH)*
passt.avx2		*(PATH)*
passwd		*(PATH)*
pasta		*(PATH)*
pasta.avx2		*(PATH)*
paste		*(PATH)*
pastebin		*(PATH)*
pasuspender		*(PATH)*
patch		*(PATH)*

	pathchk	*(PATH)*
	pathfix3.11.py	*(PATH)*
	pavucontrol	*(PATH)*
	pax11publish	*(PATH)*
	pbunzip2	*(PATH)*
	pbzcat	*(PATH)*
	pbzip2	*(PATH)*
	pcilmr	*(PATH)*
	pcre2-config	*(PATH)*
	pcscd	*(PATH)*
	pdata_tools	*(PATH)*

pdbedit   *(PATH)*

pdbtool   *(PATH)*

pdf2dsc   *(PATH)*

pdf2ps   *(PATH)*

pdfattach   *(PATH)*

pdfdetach   *(PATH)*

pdffonts   *(PATH)*

pdfimages   *(PATH)*

pdfinfo   *(PATH)*

pdfseparate   *(PATH)*

pdfsig   *(PATH)*

pdftocairo		*(PATH)*
pdftohtml		*(PATH)*
pdftoppm		*(PATH)*
pdftops		*(PATH)*
pdftotext		*(PATH)*
pdfunite		*(PATH)*
peekfd		*(PATH)*
pef-config		*(PATH)*
perl		*(PATH)*
perl5.40.2		*(PATH)*
perldoc		*(PATH)*

perror		*(PATH)*
persist-tool		*(PATH)*
pf2afm		*(PATH)*
pfbtopfa		*(PATH)*
pflags		*(PATH)*
pfs_automerge		*(PATH)*
pfs_split_exposures.py		*(PATH)*
pfsabsolute		*(PATH)*
pfscat		*(PATH)*
pfsclamp		*(PATH)*
pfscolortransform		*(PATH)*

pfscut   *(PATH)*

pfsdisplayfunction   *(PATH)*

pfsextractchannels   *(PATH)*

pfsflip   *(PATH)*

pfsgamma   *(PATH)*

pfsin   *(PATH)*

pfsindcraw   *(PATH)*

pfsinpfm   *(PATH)*

pfsinppm   *(PATH)*

pfsinrgbe   *(PATH)*

pfsintiff   *(PATH)*

pfsinyuv		*(PATH)*
pfsout		*(PATH)*
pfsouthdrhtml		*(PATH)*
pfsoutpfm		*(PATH)*
pfsoutppm		*(PATH)*
pfsoutrgbe		*(PATH)*
pfsouttiff		*(PATH)*
pfsoutyuv		*(PATH)*
pfspad		*(PATH)*
pfspanoramic		*(PATH)*
pfsretime		*(PATH)*

pfsrotate		(PATH)
pfssize		(PATH)
pfstag		(PATH)
pftp		(PATH)
pgrep		(PATH)
phar		(PATH)
phar.phar		(PATH)
phononsettings		(PATH)
php		(PATH)
php-cgi		(PATH)
php-fpm		(PATH)

phpize		*(PATH)*
pic		*(PATH)*
piconv		*(PATH)*
pidof		*(PATH)*
pidstat		*(PATH)*
pidwait		*(PATH)*
pigz		*(PATH)*
pinentry		*(PATH)*
pinentry-curses		*(PATH)*
pinentry-gnome3		*(PATH)*
pinfo		*(PATH)*

ping		(PATH)
ping6		(PATH)
pinky		(PATH)
pip		(PATH)
pip-3		(PATH)
pip-3.13		(PATH)
pip3		(PATH)
pip3.10		(PATH)
pip3.13		(PATH)
pipesz		(PATH)
pipewire		(PATH)

pipewire-aes67		*(PATH)*
pipewire-avb		*(PATH)*
pipewire-pulse		*(PATH)*
pipewire-vulkan		*(PATH)*
pitchplay		*(PATH)*
piv-tool		*(PATH)*
pivot_root		*(PATH)*
pkaction		*(PATH)*
pkcheck		*(PATH)*
pkcon		*(PATH)*
pkcs11-tool		*(PATH)*

pkcs15-crypt   *(PATH)*

pkcs15-init   *(PATH)*

pkcs15-tool   *(PATH)*

pkexec   *(PATH)*

pkg-config   *(PATH)*

pkgconf   *(PATH)*

pkill   *(PATH)*

pkla-admin-identities   *(PATH)*

pkla-check-authorization   *(PATH)*

pkmon   *(PATH)*

pktcdvd-check   *(PATH)*

pktsetup *(PATH)*

pkttyagent *(PATH)*

plasma-activities-cli6 *(PATH)*

plasma-apply-colorscheme *(PATH)*

plasma-apply-cursortheme *(PATH)*

plasma-apply-desktoptheme *(PATH)*

plasma-apply-lookandfeel *(PATH)*

plasma-apply-wallpaperimage *(PATH)*

plasma-browser-integration-host *(PATH)*

plasma-discover *(PATH)*

plasma-emojier *(PATH)*

plasma-interactiveconsole		*(PATH)*
plasma-mobile-envmanager		*(PATH)*
plasma-mobile-initial-start		*(PATH)*
plasma-open-settings		*(PATH)*
plasma-settings		*(PATH)*
plasma-shutdown		*(PATH)*
plasma_session		*(PATH)*
plasma_waitforname		*(PATH)*
plasmashell		*(PATH)*
plasmawindowed		*(PATH)*
play		*(PATH)*

pldd		(PATH)
plipconfig		(PATH)
plistutil		(PATH)
plocate		(PATH)
plocate-build		(PATH)
plymouth		(PATH)
plymouth-set-default-theme		(PATH)
plymouthd		(PATH)
pmap		(PATH)
png-fix-itxt		(PATH)
pngfix		(PATH)

	pod2man	*(PATH)*
	pod2text	*(PATH)*
	pod2usage	*(PATH)*
	portablectl	*(PATH)*
	post-grohtml	*(PATH)*
	postalias	*(PATH)*
	postcat	*(PATH)*
	postconf	*(PATH)*
	postdrop	*(PATH)*
	postfix	*(PATH)*
	postkick	*(PATH)*

postlock		*(PATH)*
postlog		*(PATH)*
postmap		*(PATH)*
postmulti		*(PATH)*
postqueue		*(PATH)*
postsuper		*(PATH)*
posttls-finger		*(PATH)*
powernow-k8-decode		*(PATH)*
poweroff		*(PATH)*
ppdc		*(PATH)*
ppdhtml		*(PATH)*

ppdi   *(PATH)*

ppdmerge   *(PATH)*

ppdpo   *(PATH)*

pphs   *(PATH)*

ppsspp-emu.ppsspp-sdl   *(PATH)*

pr   *(PATH)*

pre-grohtml   *(PATH)*

preconv   *(PATH)*

preparetips5   *(PATH)*

printafm   *(PATH)*

printenv   *(PATH)*

printf (PATH)

prlimit (PATH)

procan (PATH)

procmail (PATH)

profiles (PATH)

progressbar (PATH)

proj (PATH)

projinfo (PATH)

projsync (PATH)

protocoltojson (PATH)

proxy (PATH)

prtstat		*(PATH)*
ps		*(PATH)*
ps2ascii		*(PATH)*
ps2epsi		*(PATH)*
ps2pdf		*(PATH)*
ps2pdf12		*(PATH)*
ps2pdf13		*(PATH)*
ps2pdf14		*(PATH)*
ps2pdfwr		*(PATH)*
ps2ps		*(PATH)*
ps2ps2		*(PATH)*

	psfaddtable	*(PATH)*
	psfgettable	*(PATH)*
	psfstriptable	*(PATH)*
	psfxtable	*(PATH)*
	psktool	*(PATH)*
	pslog	*(PATH)*
	pstack	*(PATH)*
	pstree	*(PATH)*
	pstree.x11	*(PATH)*
	pt	*(PATH)*
	pto_gen	*(PATH)*

pto_lensstack		*(PATH)*
pto_mask		*(PATH)*
pto_merge		*(PATH)*
pto_move		*(PATH)*
pto_template		*(PATH)*
pto_var		*(PATH)*
ptx		*(PATH)*
putsurface		*(PATH)*
putsurface_wayland		*(PATH)*
pvchange		*(PATH)*
pvck		*(PATH)*

pvcreate		*(PATH)*
pvdisplay		*(PATH)*
pvmove		*(PATH)*
pvremove		*(PATH)*
pvresize		*(PATH)*
pvs		*(PATH)*
pvscan		*(PATH)*
pw-cat		*(PATH)*
pw-cli		*(PATH)*
pw-config		*(PATH)*
pw-container		*(PATH)*

pw-dot   *(PATH)*

pw-dsdplay   *(PATH)*

pw-dump   *(PATH)*

pw-encplay   *(PATH)*

pw-jack   *(PATH)*

pw-link   *(PATH)*

pw-loopback   *(PATH)*

pw-metadata   *(PATH)*

pw-mididump   *(PATH)*

pw-midiplay   *(PATH)*

pw-midirecord   *(PATH)*

pw-mon		*(PATH)*
pw-play		*(PATH)*
pw-profiler		*(PATH)*
pw-record		*(PATH)*
pw-reserve		*(PATH)*
pw-top		*(PATH)*
pwck		*(PATH)*
pwconv		*(PATH)*
pwd		*(PATH)*
pwdx		*(PATH)*
pwhistory_helper		*(PATH)*

pwmake		(PATH)
pwmconfig		(PATH)
pwqcheck		(PATH)
pwqfilter		(PATH)
pwqgen		(PATH)
pwscore		(PATH)
pwunconv		(PATH)
pyclip		(PATH)
pydoc		(PATH)
pydoc3		(PATH)
pydoc3.10		(PATH)

pydoc3.11		*(PATH)*
pydoc3.12		*(PATH)*
pydoc3.13		*(PATH)*
pydoc3.14		*(PATH)*
pyenv		*(PATH)*
pygettext3.11.py		*(PATH)*
pygmentize		*(PATH)*
pyinotify		*(PATH)*
pylt		*(PATH)*
pylupdate5		*(PATH)*
pyrcc5		*(PATH)*

pyside6-android-deploy   *(PATH)*

pyside6-assistant   *(PATH)*

pyside6-balsam   *(PATH)*

pyside6-balsamui   *(PATH)*

pyside6-deploy   *(PATH)*

pyside6-designer   *(PATH)*

pyside6-genpyi   *(PATH)*

pyside6-linguist   *(PATH)*

pyside6-lrelease   *(PATH)*

pyside6-lupdate   *(PATH)*

pyside6-metaobjectdump   *(PATH)*

pyside6-project   *(PATH)*

pyside6-qml   *(PATH)*

pyside6-qmlcachegen   *(PATH)*

pyside6-qmlformat   *(PATH)*

pyside6-qmlimportscanner   *(PATH)*

pyside6-qmllint   *(PATH)*

pyside6-qmlls   *(PATH)*

pyside6-qmltyperegistrar   *(PATH)*

pyside6-qsb   *(PATH)*

pyside6-qtpy2cpp   *(PATH)*

pyside6-rcc   *(PATH)*

	pyside6-svgtoqml	*(PATH)*
	pyside6-uic	*(PATH)*
	python	*(PATH)*
	python-argcomplete-check-easy-install-script	*(PATH)*
	python-config	*(PATH)*
	python3	*(PATH)*
	python3-config	*(PATH)*
	python3.10	*(PATH)*
	python3.10-config	*(PATH)*
	python3.10-gdb.py	*(PATH)*
	python3.11	*(PATH)*

python3.11-config   (PATH)

python3.11-x86_64-config   (PATH)

python3.12   (PATH)

python3.13   (PATH)

python3.14   (PATH)

pyuic5   (PATH)

pzstd   (PATH)

qat_init.sh   (PATH)

qatmgr   (PATH)

qcatool   (PATH)

qcatool-qt6   (PATH)

	qdbus	*(PATH)*
	qdbus-qt6	*(PATH)*
	qdbuscpp2xml-qt5	*(PATH)*
	qdbuscpp2xml-qt6	*(PATH)*
	qdbusxml2cpp-qt5	*(PATH)*
	qdbusxml2cpp-qt6	*(PATH)*
	qemu-ga	*(PATH)*
	qemu-img	*(PATH)*
	qemu-io	*(PATH)*
	qemu-kvm	*(PATH)*
	qemu-nbd	*(PATH)*

qemu-pr-helper   *(PATH)*

qemu-storage-daemon   *(PATH)*

qemu-system-i386   *(PATH)*

qemu-system-x86_64   *(PATH)*

qemu-vmsr-helper   *(PATH)*

qlalr   *(PATH)*

qli   *(PATH)*

qmake   *(PATH)*

qmake-qt5   *(PATH)*

qmake-qt5.sh   *(PATH)*

qmake-qt6.sh   *(PATH)*

qmake6   *(PATH)*

qmi-firmware-update   *(PATH)*

qmi-network   *(PATH)*

qmicli   *(PATH)*

qml-qt6   *(PATH)*

qmldom   *(PATH)*

qmleasing-qt6   *(PATH)*

qmlformat-qt6   *(PATH)*

qmlkonsole   *(PATH)*

qmllint-qt6   *(PATH)*

qmlls   *(PATH)*

	qmlplugindump-qt6	*(PATH)*
	qmlpreview-qt6	*(PATH)*
	qmlprofiler-qt6	*(PATH)*
	qmlscene-qt6	*(PATH)*
	qmltc	*(PATH)*
	qmltestrunner-qt6	*(PATH)*
	qmltime-qt6	*(PATH)*
	qrap	*(PATH)*
	qrca	*(PATH)*
	qsb-qt6	*(PATH)*
	qt-cmake	*(PATH)*

qt-cmake-create		*(PATH)*
qt-configure-module		*(PATH)*
qt-faststart		*(PATH)*
qtpaths-qt6		*(PATH)*
qtpaths6		*(PATH)*
quota		*(PATH)*
quotacheck		*(PATH)*
quotaoff		*(PATH)*
quotaon		*(PATH)*
quotastats		*(PATH)*
quotasync		*(PATH)*

quran-hadith		*(PATH)*
qvkgen		*(PATH)*
qvlc		*(PATH)*
raid-check		*(PATH)*
raid6check		*(PATH)*
ranlib		*(PATH)*
rapper		*(PATH)*
rawstudio		*(PATH)*
rbs		*(PATH)*
rcc-qt5		*(PATH)*
rdbg		*(PATH)*

rdfproc   *(PATH)*

rdma   *(PATH)*

rdoc   *(PATH)*

read   *(PATH)*

readelf   *(PATH)*

readlink   *(PATH)*

readmult   *(PATH)*

readprofile   *(PATH)*

readtags   *(PATH)*

realm   *(PATH)*

realpath   *(PATH)*

reboot _(PATH)_

rebuild-jar-repository _(PATH)_

rec _(PATH)_

recode _(PATH)_

recode-sr-latin _(PATH)_

red _(PATH)_

redland-db-upgrade _(PATH)_

regdiff _(PATH)_

regedit _(PATH)_

register-python-argcomplete _(PATH)_

regpatch _(PATH)_

	regshell	*(PATH)*
	regsvr32	*(PATH)*
	regtree	*(PATH)*
	remote-viewer	*(PATH)*
	rename	*(PATH)*
	renew-dummy-cert	*(PATH)*
	renice	*(PATH)*
	repack_bootimg	*(PATH)*
	replace	*(PATH)*
	report-cli	*(PATH)*
	report-gtk	*(PATH)*

reporter-bugzilla		*(PATH)*
reporter-kerneloops		*(PATH)*
reporter-print		*(PATH)*
reporter-systemd-journal		*(PATH)*
reporter-upload		*(PATH)*
reporter-ureport		*(PATH)*
repquota		*(PATH)*
request-key		*(PATH)*
reset		*(PATH)*
resize.f2fs		*(PATH)*
resize2fs		*(PATH)*

resizecons		*(PATH)*
resizepart		*(PATH)*
resolvconf		*(PATH)*
resolve_stack_dump		*(PATH)*
resolvectl		*(PATH)*
resolveip		*(PATH)*
restorecon		*(PATH)*
restorecon_xattr		*(PATH)*
rev		*(PATH)*
rfkill		*(PATH)*
rhash		*(PATH)*

ri		*(PATH)*
rigctl		*(PATH)*
rigctlcom		*(PATH)*
rigctld		*(PATH)*
rigctlsync		*(PATH)*
rigctltcp		*(PATH)*
rigfreqwalk		*(PATH)*
rigmem		*(PATH)*
rigsmtr		*(PATH)*
rigswr		*(PATH)*
rigtestlibusb		*(PATH)*

rigtestmcast   *(PATH)*

rigtestmcastrx   *(PATH)*

rm   *(PATH)*

rmail   *(PATH)*

rmail.postfix   *(PATH)*

rmcp   *(PATH)*

rmcp-ping   *(PATH)*

rmcpping   *(PATH)*

rmdir   *(PATH)*

rmic   *(PATH)*

rmid   *(PATH)*

	rmiregistry	*(PATH)*
	rmmod	*(PATH)*
	rnano	*(PATH)*
	roqet	*(PATH)*
	rotatelogs	*(PATH)*
	rotctl	*(PATH)*
	rotctld	*(PATH)*
	route	*(PATH)*
	rpc.gssd	*(PATH)*
	rpc.idmapd	*(PATH)*
	rpc.mountd	*(PATH)*

rpc.nfsd   *(PATH)*

rpc.statd   *(PATH)*

rpcbind   *(PATH)*

rpcclient   *(PATH)*

rpcctl   *(PATH)*

rpcdebug   *(PATH)*

rpcinfo   *(PATH)*

rpm   *(PATH)*

rpm2archive   *(PATH)*

rpm2cpio   *(PATH)*

rpmargs   *(PATH)*

rpmbuild (PATH)

rpmdb (PATH)

rpmdev-bumpspec (PATH)

rpmdev-checksig (PATH)

rpmdev-cksum (PATH)

rpmdev-diff (PATH)

rpmdev-extract (PATH)

rpmdev-md5 (PATH)

rpmdev-newinit (PATH)

rpmdev-newspec (PATH)

rpmdev-packager (PATH)

rpmdev-rmdevelrpms   *(PATH)*

rpmdev-setuptree   *(PATH)*

rpmdev-sha1   *(PATH)*

rpmdev-sha224   *(PATH)*

rpmdev-sha256   *(PATH)*

rpmdev-sha384   *(PATH)*

rpmdev-sha512   *(PATH)*

rpmdev-sort   *(PATH)*

rpmdev-spectool   *(PATH)*

rpmdev-sum   *(PATH)*

rpmdev-vercmp   *(PATH)*

rpmdev-wipetree   *(PATH)*

rpmdumpheader   *(PATH)*

rpmelfsym   *(PATH)*

rpmfile   *(PATH)*

rpminfo   *(PATH)*

rpmkeys   *(PATH)*

rpmls   *(PATH)*

rpmlua   *(PATH)*

rpmpeek   *(PATH)*

rpmquery   *(PATH)*

rpmsodiff   *(PATH)*

rpmsoname		*(PATH)*
rpmsort		*(PATH)*
rpmspec		*(PATH)*
rpmverify		*(PATH)*
rsync		*(PATH)*
rsync-ssl		*(PATH)*
rsyslogd		*(PATH)*
rtacct		*(PATH)*
rtcwake		*(PATH)*
rtkitctl		*(PATH)*
rtmon		*(PATH)*

rtstat		*(PATH)*
ruby		*(PATH)*
ruby-mri		*(PATH)*
run-on-ac		*(PATH)*
run-on-bat		*(PATH)*
run-parts		*(PATH)*
run-tkiaxphone.sh		*(PATH)*
run0		*(PATH)*
runcon		*(PATH)*
runghc		*(PATH)*
runghc-9.6		*(PATH)*

runghc-9.6.6 *(PATH)*

runhaskell *(PATH)*

runhaskell-9.6 *(PATH)*

runhaskell-9.6.6 *(PATH)*

runlevel *(PATH)*

runuser *(PATH)*

runxlrd *(PATH)*

rustc *(PATH)*

rustdoc *(PATH)*

rvi *(PATH)*

rview *(PATH)*

rvlc *(PATH)*

rygel *(PATH)*

rygel-preferences *(PATH)*

sa *(PATH)*

sadf *(PATH)*

samba-log-parser *(PATH)*

samba-regedit *(PATH)*

sane-find-scanner *(PATH)*

sar *(PATH)*

sasldblistusers2 *(PATH)*

saslpasswd2 *(PATH)*

satyr		*(PATH)*
sc-hsm-tool		*(PATH)*
scalar		*(PATH)*
scanimage		*(PATH)*
scp		*(PATH)*
scp-dbus-service		*(PATH)*
screenfetch		*(PATH)*
script		*(PATH)*
scriptlive		*(PATH)*
scriptreplay		*(PATH)*
scrot		*(PATH)*

scrub		*(PATH)*
sctp_darn		*(PATH)*
sctp_status		*(PATH)*
sctp_test		*(PATH)*
sddm		*(PATH)*
sddm-greeter		*(PATH)*
sddm-greeter-qt6		*(PATH)*
sdiff		*(PATH)*
sdl2-config		*(PATH)*
secon		*(PATH)*
secret-tool		*(PATH)*

sed		*(PATH)*
sedismod		*(PATH)*
sedispol		*(PATH)*
sefcontext_compile		*(PATH)*
selabel_compare		*(PATH)*
selabel_digest		*(PATH)*
selabel_get_digests_all_partial_matches		*(PATH)*
selabel_lookup		*(PATH)*
selabel_lookup_best_match		*(PATH)*
selabel_partial_match		*(PATH)*
selinux_check_access		*(PATH)*

selinuxconlist   (PATH)

selinuxdefcon   (PATH)

selinuxenabled   (PATH)

selinuxexeccon   (PATH)

semanage   (PATH)

semodule   (PATH)

semodule_expand   (PATH)

semodule_link   (PATH)

semodule_package   (PATH)

semodule_unpackage   (PATH)

sendmail   (PATH)

	sendmail.opensmtpd	*(PATH)*
	sendmail.postfix	*(PATH)*
	sendmail.ssmtp	*(PATH)*
	sensors	*(PATH)*
	sensors-conf-convert	*(PATH)*
	sensors-detect	*(PATH)*
	sepdebugcrcfix	*(PATH)*
	seq	*(PATH)*
	serdi	*(PATH)*
	serialver	*(PATH)*
	service	*(PATH)*

servicemenuinstaller		*(PATH)*
sestatus		*(PATH)*
set-default-locale		*(PATH)*
setarch		*(PATH)*
setcap		*(PATH)*
setcifsacl		*(PATH)*
setenforce		*(PATH)*
setfacl		*(PATH)*
setfattr		*(PATH)*
setfiles		*(PATH)*
setfont		*(PATH)*

setkeycodes   *(PATH)*

setleds   *(PATH)*

setmetamode   *(PATH)*

setpci   *(PATH)*

setpgid   *(PATH)*

setpriv   *(PATH)*

setquota   *(PATH)*

setregdomain   *(PATH)*

setsebool   *(PATH)*

setsid   *(PATH)*

setterm   *(PATH)*

setup-nsssysinit		*(PATH)*
setup-nsssysinit.sh		*(PATH)*
setvtrgb		*(PATH)*
setxkbmap		*(PATH)*
sfcsample		*(PATH)*
sfdisk		*(PATH)*
sftp		*(PATH)*
sfv-hash		*(PATH)*
sg		*(PATH)*
sgmlwhich		*(PATH)*
sh		*(PATH)*

sha1hmac   *(PATH)*

sha1sum   *(PATH)*

sha224hmac   *(PATH)*

sha224sum   *(PATH)*

sha256hmac   *(PATH)*

sha256sum   *(PATH)*

sha384hmac   *(PATH)*

sha384sum   *(PATH)*

sha512hmac   *(PATH)*

sha512sum   *(PATH)*

shade-jar   *(PATH)*

sharesec		*(PATH)*
shasum		*(PATH)*
shelyak_usis		*(PATH)*
shiboken6		*(PATH)*
shiboken6-genpyi		*(PATH)*
shout		*(PATH)*
showconsolefont		*(PATH)*
showfoto		*(PATH)*
showimage		*(PATH)*
showimage2		*(PATH)*
showkey		*(PATH)*

	showmount	*(PATH)*
	shred	*(PATH)*
	shuf	*(PATH)*
	shutdown	*(PATH)*
	signon-ui	*(PATH)*
	signond	*(PATH)*
	signonpluginprocess	*(PATH)*
	simg2img	*(PATH)*
	simple-scan	*(PATH)*
	simplescreenrecorder	*(PATH)*
	siril	*(PATH)*

siril-cli	*(PATH)*	
size	*(PATH)*	
skdump	*(PATH)*	
skill	*(PATH)*	
sktest	*(PATH)*	
slabinfo	*(PATH)*	
slabtop	*(PATH)*	
slattach	*(PATH)*	
sleep	*(PATH)*	
slencheck	*(PATH)*	
sliceprint	*(PATH)*	

	sload.f2fs	*(PATH)*
	sload_f2fs	*(PATH)*
	slurp	*(PATH)*
	sm-notify	*(PATH)*
	sm3hmac	*(PATH)*
	smartctl	*(PATH)*
	smartd	*(PATH)*
	smb2-quota	*(PATH)*
	smbcacls	*(PATH)*
	smbclient	*(PATH)*
	smbcontrol	*(PATH)*

	smbcquotas	*(PATH)*
	smbget	*(PATH)*
	smbinfo	*(PATH)*
	smbpasswd	*(PATH)*
	smbspool	*(PATH)*
	smbtar	*(PATH)*
	smbtree	*(PATH)*
	smtp	*(PATH)*
	smtp-debug-server	*(PATH)*
	smtp-sink	*(PATH)*
	smtp-source	*(PATH)*

	smtpctl	(PATH)
	smtpd	(PATH)
	smtpping	(PATH)
	snap	(PATH)
	snapctl	(PATH)
	snice	(PATH)
	socat	(PATH)
	socat-broker.sh	(PATH)
	socat-chain.sh	(PATH)
	socat-mux.sh	(PATH)
	socat1	(PATH)

	soelim	*(PATH)*
	soelim.groff	*(PATH)*
	soffice	*(PATH)*
	solid-action-desktop-gen	*(PATH)*
	solid-hardware5	*(PATH)*
	solid-hardware6	*(PATH)*
	sord_validate	*(PATH)*
	sordi	*(PATH)*
	sort	*(PATH)*
	sos	*(PATH)*
	sotruss	*(PATH)*

soundstretch		*(PATH)*
source-highlight		*(PATH)*
source-highlight-esc.sh		*(PATH)*
source-highlight-settings		*(PATH)*
sox		*(PATH)*
soxi		*(PATH)*
spa-acp-tool		*(PATH)*
spa-inspect		*(PATH)*
spa-json-dump		*(PATH)*
spa-monitor		*(PATH)*
spa-resample		*(PATH)*

spacebar		*(PATH)*
spacebar-fakeserver		*(PATH)*
spd-conf		*(PATH)*
spd-say		*(PATH)*
spdsend		*(PATH)*
speak-ng		*(PATH)*
speaker-test		*(PATH)*
spectacle		*(PATH)*
spectool		*(PATH)*
speech-dispatcher		*(PATH)*
spellout		*(PATH)*

spice-vdagent   *(PATH)*

spice-vdagentd   *(PATH)*

spice-webdavd   *(PATH)*

split   *(PATH)*

sprof   *(PATH)*

spumux   *(PATH)*

spuunmux   *(PATH)*

sqfscat   *(PATH)*

sqfstar   *(PATH)*

sqlformat   *(PATH)*

sqlite3   *(PATH)*

src-hilite-lesspipe.sh		*(PATH)*
src-to-paps		*(PATH)*
ss		*(PATH)*
sscg		*(PATH)*
ssh		*(PATH)*
ssh-add		*(PATH)*
ssh-agent		*(PATH)*
ssh-copy-id		*(PATH)*
ssh-keygen		*(PATH)*
ssh-keyscan		*(PATH)*
sshd		*(PATH)*

ssmtp		*(PATH)*
ssr-glinject		*(PATH)*
sss_cache		*(PATH)*
sss_ssh_authorizedkeys		*(PATH)*
sss_ssh_knownhosts		*(PATH)*
sss_ssh_knownhostsproxy		*(PATH)*
sssd		*(PATH)*
start-statd		*(PATH)*
startplasma		*(PATH)*
startplasma-wayland		*(PATH)*
startplasma-x11		*(PATH)*

	startplasmamobile	*(PATH)*
	startx	*(PATH)*
	stat	*(PATH)*
	states	*(PATH)*
	stdbuf	*(PATH)*
	stream	*(PATH)*
	streamzip	*(PATH)*
	strfile	*(PATH)*
	strings	*(PATH)*
	strip	*(PATH)*
	stty	*(PATH)*

stunbdc		*(PATH)*
stund		*(PATH)*
su		*(PATH)*
sudo		*(PATH)*
sudoedit		*(PATH)*
sudoreplay		*(PATH)*
sulogin		*(PATH)*
sum		*(PATH)*
svgtoqml		*(PATH)*
svlc		*(PATH)*
swaplabel		*(PATH)*

swapoff		*(PATH)*
swapon		*(PATH)*
switch_root		*(PATH)*
switcherooctl		*(PATH)*
swtpm		*(PATH)*
swtpm_bios		*(PATH)*
swtpm_cert		*(PATH)*
swtpm_ioctl		*(PATH)*
swtpm_localca		*(PATH)*
swtpm_setup		*(PATH)*
symlinks		*(PATH)*

	sync	*(PATH)*
	syncqt.pl	*(PATH)*
	syntax_suggest	*(PATH)*
	sysctl	*(PATH)*
	syslinux	*(PATH)*
	syslog-ng	*(PATH)*
	syslog-ng-ctl	*(PATH)*
	syslog-ng-debun	*(PATH)*
	syslog-ng-update-virtualenv	*(PATH)*
	system-config-printer	*(PATH)*
	system-config-printer-applet	*(PATH)*

	systemctl	*(PATH)*
	systemd-ac-power	*(PATH)*
	systemd-analyze	*(PATH)*
	systemd-ask-password	*(PATH)*
	systemd-cat	*(PATH)*
	systemd-cgls	*(PATH)*
	systemd-cgtop	*(PATH)*
	systemd-confext	*(PATH)*
	systemd-creds	*(PATH)*
	systemd-cryptenroll	*(PATH)*
	systemd-cryptsetup	*(PATH)*

	systemd-delta	*(PATH)*
	systemd-detect-virt	*(PATH)*
	systemd-dissect	*(PATH)*
	systemd-escape	*(PATH)*
	systemd-firstboot	*(PATH)*
	systemd-home-fallback-shell	*(PATH)*
	systemd-hwdb	*(PATH)*
	systemd-id128	*(PATH)*
	systemd-inhibit	*(PATH)*
	systemd-machine-id-setup	*(PATH)*
	systemd-mount	*(PATH)*

	systemd-notify	*(PATH)*
	systemd-nspawn	*(PATH)*
	systemd-path	*(PATH)*
	systemd-repart	*(PATH)*
	systemd-resolve	*(PATH)*
	systemd-run	*(PATH)*
	systemd-socket-activate	*(PATH)*
	systemd-stdio-bridge	*(PATH)*
	systemd-sysext	*(PATH)*
	systemd-sysusers	*(PATH)*
	systemd-tmpfiles	*(PATH)*

systemd-tty-ask-password-agent		*(PATH)*
systemd-umount		*(PATH)*
systemd-vmspawn		*(PATH)*
systemd-vpick		*(PATH)*
systemsettings		*(PATH)*
tabs		*(PATH)*
tac		*(PATH)*
tail		*(PATH)*
tapestat		*(PATH)*
tar		*(PATH)*
taskset		*(PATH)*

tastenbrett *(PATH)*

tbl *(PATH)*

tc *(PATH)*

tca_correct *(PATH)*

tcldocstrip *(PATH)*

tclsh *(PATH)*

tclsh8 *(PATH)*

tclsh8.6 *(PATH)*

tclsh9.0 *(PATH)*

tcpdump *(PATH)*

tcpslice *(PATH)*

tcptraceroute   *(PATH)*

teamd   *(PATH)*

teamdctl   *(PATH)*

teamnl   *(PATH)*

tecla   *(PATH)*

tee   *(PATH)*

telinit   *(PATH)*

tesseract   *(PATH)*

test   *(PATH)*

testparm   *(PATH)*

tgz   *(PATH)*

thin_check		*(PATH)*
thin_delta		*(PATH)*
thin_dump		*(PATH)*
thin_ls		*(PATH)*
thin_metadata_pack		*(PATH)*
thin_metadata_size		*(PATH)*
thin_metadata_unpack		*(PATH)*
thin_migrate		*(PATH)*
thin_repair		*(PATH)*
thin_restore		*(PATH)*
thin_rmap		*(PATH)*

thin_trim		*(PATH)*
thinkfan		*(PATH)*
thrift		*(PATH)*
tic		*(PATH)*
tiger-hash		*(PATH)*
time		*(PATH)*
timedatectl		*(PATH)*
timeout		*(PATH)*
tinysparql		*(PATH)*
tipc		*(PATH)*
tkiaxphone		*(PATH)*

tkrzw_build_util		*(PATH)*
tkrzw_dbm_perf		*(PATH)*
tkrzw_dbm_tran		*(PATH)*
tkrzw_dbm_util		*(PATH)*
tkrzw_file_perf		*(PATH)*
tkrzw_langc_check		*(PATH)*
tkrzw_str_perf		*(PATH)*
tkrzw_ulog_util		*(PATH)*
tload		*(PATH)*
tlp		*(PATH)*
tlp-stat		*(PATH)*

tmon		*(PATH)*
tmux		*(PATH)*
toe		*(PATH)*
tokodon		*(PATH)*
top		*(PATH)*
touch		*(PATH)*
touchegg		*(PATH)*
tpm2		*(PATH)*
tpm2_activatecredential		*(PATH)*
tpm2_certify		*(PATH)*
tpm2_certifyX509certutil		*(PATH)*

	tpm2_certifycreation	*(PATH)*
	tpm2_changeauth	*(PATH)*
	tpm2_changeeps	*(PATH)*
	tpm2_changepps	*(PATH)*
	tpm2_checkquote	*(PATH)*
	tpm2_clear	*(PATH)*
	tpm2_clearcontrol	*(PATH)*
	tpm2_clockrateadjust	*(PATH)*
	tpm2_commit	*(PATH)*
	tpm2_create	*(PATH)*
	tpm2_createak	*(PATH)*

	tpm2_createek	*(PATH)*
	tpm2_createpolicy	*(PATH)*
	tpm2_createprimary	*(PATH)*
	tpm2_dictionarylockout	*(PATH)*
	tpm2_duplicate	*(PATH)*
	tpm2_ecdhkeygen	*(PATH)*
	tpm2_ecdhzgen	*(PATH)*
	tpm2_ecephemeral	*(PATH)*
	tpm2_encodeobject	*(PATH)*
	tpm2_encryptdecrypt	*(PATH)*
	tpm2_eventlog	*(PATH)*

tpm2_evictcontrol		*(PATH)*
tpm2_flushcontext		*(PATH)*
tpm2_getcap		*(PATH)*
tpm2_getcommandauditdigest		*(PATH)*
tpm2_geteccparameters		*(PATH)*
tpm2_getekcertificate		*(PATH)*
tpm2_getpolicydigest		*(PATH)*
tpm2_getrandom		*(PATH)*
tpm2_getsessionauditdigest		*(PATH)*
tpm2_gettestresult		*(PATH)*
tpm2_gettime		*(PATH)*

	tpm2_hash	*(PATH)*
	tpm2_hierarchycontrol	*(PATH)*
	tpm2_hmac	*(PATH)*
	tpm2_import	*(PATH)*
	tpm2_incrementalselftest	*(PATH)*
	tpm2_load	*(PATH)*
	tpm2_loadexternal	*(PATH)*
	tpm2_makecredential	*(PATH)*
	tpm2_nvcertify	*(PATH)*
	tpm2_nvdefine	*(PATH)*
	tpm2_nvextend	*(PATH)*

tpm2_nvincrement   *(PATH)*

tpm2_nvread   *(PATH)*

tpm2_nvreadlock   *(PATH)*

tpm2_nvreadpublic   *(PATH)*

tpm2_nvsetbits   *(PATH)*

tpm2_nvundefine   *(PATH)*

tpm2_nvwrite   *(PATH)*

tpm2_nvwritelock   *(PATH)*

tpm2_pcrallocate   *(PATH)*

tpm2_pcrevent   *(PATH)*

tpm2_pcrextend   *(PATH)*

tpm2_pcrread   (PATH)

tpm2_pcrreset   (PATH)

tpm2_policyauthorize   (PATH)

tpm2_policyauthorizenv   (PATH)

tpm2_policyauthvalue   (PATH)

tpm2_policycommandcode   (PATH)

tpm2_policycountertimer   (PATH)

tpm2_policycphash   (PATH)

tpm2_policyduplicationselect   (PATH)

tpm2_policylocality   (PATH)

tpm2_policynamehash   (PATH)

tpm2_policynv (PATH)

tpm2_policynvwritten (PATH)

tpm2_policyor (PATH)

tpm2_policypassword (PATH)

tpm2_policypcr (PATH)

tpm2_policyrestart (PATH)

tpm2_policysecret (PATH)

tpm2_policysigned (PATH)

tpm2_policytemplate (PATH)

tpm2_policyticket (PATH)

tpm2_print (PATH)

	tpm2_quote	(PATH)
	tpm2_rc_decode	(PATH)
	tpm2_readclock	(PATH)
	tpm2_readpublic	(PATH)
	tpm2_rsadecrypt	(PATH)
	tpm2_rsaencrypt	(PATH)
	tpm2_selftest	(PATH)
	tpm2_send	(PATH)
	tpm2_sessionconfig	(PATH)
	tpm2_setclock	(PATH)
	tpm2_setcommandauditstatus	(PATH)

tpm2_setprimarypolicy *(PATH)*

tpm2_shutdown *(PATH)*

tpm2_sign *(PATH)*

tpm2_startauthsession *(PATH)*

tpm2_startup *(PATH)*

tpm2_stirrandom *(PATH)*

tpm2_testparms *(PATH)*

tpm2_tr_encode *(PATH)*

tpm2_unseal *(PATH)*

tpm2_verifysignature *(PATH)*

tpm2_zgen2phase *(PATH)*

tput   *(PATH)*

tr   *(PATH)*

tracegen   *(PATH)*

tracepath   *(PATH)*

tracepath6   *(PATH)*

traceroute   *(PATH)*

traceroute6   *(PATH)*

tree   *(PATH)*

troff   *(PATH)*

true   *(PATH)*

truncate   *(PATH)*

	trust	(PATH)
	ts_calibrate	(PATH)
	ts_conf	(PATH)
	ts_finddev	(PATH)
	ts_print	(PATH)
	ts_print_mt	(PATH)
	ts_print_raw	(PATH)
	ts_test_mt	(PATH)
	ts_uinput	(PATH)
	ts_verify	(PATH)
	tset	(PATH)

tsig-keygen		*(PATH)*
tsort		*(PATH)*
tss2		*(PATH)*
tss2_authorizepolicy		*(PATH)*
tss2_changeauth		*(PATH)*
tss2_createkey		*(PATH)*
tss2_createnv		*(PATH)*
tss2_createseal		*(PATH)*
tss2_decrypt		*(PATH)*
tss2_delete		*(PATH)*
tss2_encrypt		*(PATH)*

	tss2_exportkey	*(PATH)*
	tss2_exportpolicy	*(PATH)*
	tss2_getappdata	*(PATH)*
	tss2_getcertificate	*(PATH)*
	tss2_getdescription	*(PATH)*
	tss2_getinfo	*(PATH)*
	tss2_getplatformcertificates	*(PATH)*
	tss2_getrandom	*(PATH)*
	tss2_gettpm2object	*(PATH)*
	tss2_gettpmblobs	*(PATH)*
	tss2_import	*(PATH)*

tss2_list		(PATH)
tss2_nvextend		(PATH)
tss2_nvincrement		(PATH)
tss2_nvread		(PATH)
tss2_nvsetbits		(PATH)
tss2_nvwrite		(PATH)
tss2_pcrextend		(PATH)
tss2_pcrread		(PATH)
tss2_provision		(PATH)
tss2_quote		(PATH)
tss2_setappdata		(PATH)

tss2_setcertificate		*(PATH)*
tss2_setdescription		*(PATH)*
tss2_sign		*(PATH)*
tss2_unseal		*(PATH)*
tss2_verifyquote		*(PATH)*
tss2_verifysignature		*(PATH)*
tss2_writeauthorizenv		*(PATH)*
tth-hash		*(PATH)*
ttmkfdir		*(PATH)*
tty		*(PATH)*
tune.exfat		*(PATH)*

tune2fs		*(PATH)*
tuned		*(PATH)*
tuned-adm		*(PATH)*
tuned-ppd		*(PATH)*
turbostat		*(PATH)*
type		*(PATH)*
tzselect		*(PATH)*
uchardet		*(PATH)*
uclampset		*(PATH)*
udevadm		*(PATH)*
udfinfo		*(PATH)*

udflabel		*(PATH)*
udisksctl		*(PATH)*
ufw		*(PATH)*
uic-qt5		*(PATH)*
ul		*(PATH)*
ulimit		*(PATH)*
ulockmgr_server		*(PATH)*
umask		*(PATH)*
umax_pp		*(PATH)*
umount		*(PATH)*
umount.nfs		*(PATH)*

	umount.nfs4	*(PATH)*
	umount.nilfs2	*(PATH)*
	umount.udisks2	*(PATH)*
	unalias	*(PATH)*
	uname	*(PATH)*
	uname26	*(PATH)*
	unbound-anchor	*(PATH)*
	unexpand	*(PATH)*
	unicode_start	*(PATH)*
	unicode_stop	*(PATH)*
	uniq	*(PATH)*

	unityhub	*(PATH)*
	unix2dos	*(PATH)*
	unix2mac	*(PATH)*
	unix_chkpwd	*(PATH)*
	unlink	*(PATH)*
	unlzma	*(PATH)*
	unopkg	*(PATH)*
	unpack200	*(PATH)*
	unpack_bootimg	*(PATH)*
	unpigz	*(PATH)*
	unrar	*(PATH)*

unsetfiles		(PATH)
unshare		(PATH)
unsquashfs		(PATH)
unstr		(PATH)
unxz		(PATH)
unzip		(PATH)
unzipsfx		(PATH)
unzstd		(PATH)
update-alternatives		(PATH)
update-ca-trust		(PATH)
update-crypto-policies		(PATH)

update-desktop-database   *(PATH)*

update-gtk-immodules   *(PATH)*

update-mime-database   *(PATH)*

update-patterndb   *(PATH)*

update-pciids   *(PATH)*

update-smart-drivedb   *(PATH)*

updatedb   *(PATH)*

upgrade_get_document   *(PATH)*

upload-system-info   *(PATH)*

upower   *(PATH)*

uptime   *(PATH)*

	uriparse	*(PATH)*
	urlgrabber	*(PATH)*
	usb-devices	*(PATH)*
	usb_modeswitch	*(PATH)*
	usb_modeswitch_dispatcher	*(PATH)*
	usbhid-dump	*(PATH)*
	usbmuxd	*(PATH)*
	usbreset	*(PATH)*
	useradd	*(PATH)*
	userdbctl	*(PATH)*
	userdel	*(PATH)*

userfeedbackctl *(PATH)*

userhelper *(PATH)*

usermod *(PATH)*

users *(PATH)*

usleep *(PATH)*

utmpdump *(PATH)*

uuidgen *(PATH)*

uuidparse *(PATH)*

uxterm *(PATH)*

uz *(PATH)*

vacopy *(PATH)*

vainfo *(PATH)*

validatetrans *(PATH)*

varlinkctl *(PATH)*

vavpp *(PATH)*

vdir *(PATH)*

vdpa *(PATH)*

verdandi *(PATH)*

vfat-resize *(PATH)*

vgcfgbackup *(PATH)*

vgcfgrestore *(PATH)*

vgchange *(PATH)*

vgck (PATH)

vgconvert (PATH)

vgcreate (PATH)

vgdisplay (PATH)

vgexport (PATH)

vgextend (PATH)

vgimport (PATH)

vgimportclone (PATH)

vgimportdevices (PATH)

vgmerge (PATH)

vgmknodes (PATH)

vgreduce		*(PATH)*
vgremove		*(PATH)*
vgrename		*(PATH)*
vgs		*(PATH)*
vgscan		*(PATH)*
vgsplit		*(PATH)*
vi		*(PATH)*
view		*(PATH)*
vig_optimize		*(PATH)*
vigr		*(PATH)*
vipw		*(PATH)*

	virsh	*(PATH)*
	virt-admin	*(PATH)*
	virt-clone	*(PATH)*
	virt-host-validate	*(PATH)*
	virt-install	*(PATH)*
	virt-manager	*(PATH)*
	virt-pki-query-dn	*(PATH)*
	virt-pki-validate	*(PATH)*
	virt-qemu-run	*(PATH)*
	virt-ssh-helper	*(PATH)*
	virt-viewer	*(PATH)*

virt-what   (PATH)

virt-what-cvm   (PATH)

virt-xml   (PATH)

virt-xml-validate   (PATH)

virtinterfaced   (PATH)

virtlockd   (PATH)

virtlogd   (PATH)

virtnetworkd   (PATH)

virtnodedevd   (PATH)

virtnwfilterd   (PATH)

virtproxyd   (PATH)

	virtqemud	*(PATH)*
	virtsecretd	*(PATH)*
	virtstoraged	*(PATH)*
	visudo	*(PATH)*
	vkcube	*(PATH)*
	vkcubepp	*(PATH)*
	vlc	*(PATH)*
	vlc-wrapper	*(PATH)*
	vlock	*(PATH)*
	vm-support	*(PATH)*
	vmcore-dmesg	*(PATH)*

vmhgfs-fuse   *(PATH)*

vmstat   *(PATH)*

vmtoolsd   *(PATH)*

vmware-alias-import   *(PATH)*

vmware-checkvm   *(PATH)*

vmware-hgfsclient   *(PATH)*

vmware-namespace-cmd   *(PATH)*

vmware-rpctool   *(PATH)*

vmware-toolbox-cmd   *(PATH)*

vmware-user   *(PATH)*

vmware-user-suid-wrapper   *(PATH)*

	vmware-vgauth-cmd	*(PATH)*
	vmware-vmblock-fuse	*(PATH)*
	vmware-xferlogs	*(PATH)*
	vmwgfxctrl	*(PATH)*
	vp8enc	*(PATH)*
	vp9enc	*(PATH)*
	vpddecode	*(PATH)*
	vpp3dlut	*(PATH)*
	vppblending	*(PATH)*
	vppchromasitting	*(PATH)*
	vppdenoise	*(PATH)*

vpphdr_tm   *(PATH)*

vppscaling_csc   *(PATH)*

vppscaling_n_out_usrptr   *(PATH)*

vppsharpness   *(PATH)*

vsftpd   *(PATH)*

vstp   *(PATH)*

vulkaninfo   *(PATH)*

w   *(PATH)*

wait   *(PATH)*

waitpid   *(PATH)*

wall   *(PATH)*

	watch	*(PATH)*
	watchgnupg	*(PATH)*
	wavpack	*(PATH)*
	waydroid	*(PATH)*
	wayland-info	*(PATH)*
	wbinfo	*(PATH)*
	wc	*(PATH)*
	wdctl	*(PATH)*
	westcos-tool	*(PATH)*
	wget	*(PATH)*
	wget2	*(PATH)*

whatis		*(PATH)*
whatis.man-db		*(PATH)*
whereis		*(PATH)*
which		*(PATH)*
whirlpool-hash		*(PATH)*
who		*(PATH)*
whoami		*(PATH)*
whois		*(PATH)*
whois.md		*(PATH)*
wifi		*(PATH)*
winbindd		*(PATH)*

	wine	*(PATH)*
	wine32	*(PATH)*
	wine64	*(PATH)*
	wineboot	*(PATH)*
	winecfg	*(PATH)*
	wineconsole	*(PATH)*
	winedbg	*(PATH)*
	winedump	*(PATH)*
	winefile	*(PATH)*
	winemaker	*(PATH)*
	winemine	*(PATH)*

winepath (PATH)

wineserver (PATH)

wineserver32 (PATH)

wineserver64 (PATH)

wipefs (PATH)

wireplumber (PATH)

wish (PATH)

wish8 (PATH)

wish8.6 (PATH)

wish9.0 (PATH)

withsctp (PATH)

wkhtmltoimage		*(PATH)*
wkhtmltopdf		*(PATH)*
wl-copy		*(PATH)*
wl-paste		*(PATH)*
wmctrl		*(PATH)*
wnck-urgency-monitor		*(PATH)*
wordview		*(PATH)*
wpa_cli		*(PATH)*
wpa_passphrase		*(PATH)*
wpa_supplicant		*(PATH)*
wpctl		*(PATH)*

wpexec		*(PATH)*
wrestool		*(PATH)*
write		*(PATH)*
wrudf		*(PATH)*
wsdd		*(PATH)*
wspsearch		*(PATH)*
wsrep_sst_backup		*(PATH)*
wsrep_sst_mariabackup		*(PATH)*
wsrep_sst_mysqldump		*(PATH)*
wsrep_sst_rsync		*(PATH)*
wsrep_sst_rsync_tunnel		*(PATH)*

wsrep_sst_rsync_wan *(PATH)*

wvgain *(PATH)*

wvtag *(PATH)*

wvunpack *(PATH)*

wwan *(PATH)*

x86_64 *(PATH)*

x86_64-redhat-linux-c++ *(PATH)*

x86_64-redhat-linux-g++ *(PATH)*

x86_64-redhat-linux-gcc *(PATH)*

x86_64-redhat-linux-gcc-15 *(PATH)*

x86_64-redhat-linux-gnu-pkg-config *(PATH)*

x86_64-w64-mingw32-pkg-config		*(PATH)*
x86_energy_perf_policy		*(PATH)*
xapp-gpu-offload		*(PATH)*
xarchiver		*(PATH)*
xargs		*(PATH)*
xauth		*(PATH)*
xb-tool		*(PATH)*
xbrlapi		*(PATH)*
xdelta		*(PATH)*
xdelta3		*(PATH)*
xdg-dbus-proxy		*(PATH)*

xdg-desktop-icon *(PATH)*

xdg-desktop-menu *(PATH)*

xdg-email *(PATH)*

xdg-icon-resource *(PATH)*

xdg-mime *(PATH)*

xdg-open *(PATH)*

xdg-screensaver *(PATH)*

xdg-settings *(PATH)*

xdg-user-dir *(PATH)*

xdg-user-dirs-gtk-update *(PATH)*

xdg-user-dirs-update *(PATH)*

xdotool   (PATH)

xdpyinfo   (PATH)

xdriinfo   (PATH)

xembedsniproxy   (PATH)

xfce4-kiosk-query   (PATH)

xfce4-screenshooter   (PATH)

xfce4-set-wallpaper   (PATH)

xfconf-query   (PATH)

xfs_admin   (PATH)

xfs_bmap   (PATH)

xfs_copy   (PATH)

xfs_db		*(PATH)*
xfs_estimate		*(PATH)*
xfs_freeze		*(PATH)*
xfs_fsr		*(PATH)*
xfs_growfs		*(PATH)*
xfs_info		*(PATH)*
xfs_io		*(PATH)*
xfs_logprint		*(PATH)*
xfs_mdrestore		*(PATH)*
xfs_metadump		*(PATH)*
xfs_mkfile		*(PATH)*

xfs_ncheck		*(PATH)*
xfs_property		*(PATH)*
xfs_quota		*(PATH)*
xfs_repair		*(PATH)*
xfs_rtcp		*(PATH)*
xfs_spaceman		*(PATH)*
xgettext		*(PATH)*
xhost		*(PATH)*
xinit		*(PATH)*
xkbcomp		*(PATH)*
xkill		*(PATH)*

xlet-about-dialog   *(PATH)*

xlet-settings   *(PATH)*

xls2csv   *(PATH)*

xmessage   *(PATH)*

xml2-config   *(PATH)*

xmlcatalog   *(PATH)*

xmllint   *(PATH)*

xmlsec1   *(PATH)*

xmlwf   *(PATH)*

xmodmap   *(PATH)*

xorrecord   *(PATH)*

xorriso		*(PATH)*
xorriso-dd-target		*(PATH)*
xorrisofs		*(PATH)*
xplanet		*(PATH)*
xprop		*(PATH)*
xqmstats		*(PATH)*
xrandr		*(PATH)*
xrdb		*(PATH)*
xset		*(PATH)*
xsetroot		*(PATH)*
xsltproc		*(PATH)*

xtables-monitor *(PATH)*

xtables-nft-multi *(PATH)*

xterm *(PATH)*

xwaylandvideobridge *(PATH)*

xz *(PATH)*

xzcat *(PATH)*

xzcmp *(PATH)*

xzdec *(PATH)*

xzdiff *(PATH)*

xzegrep *(PATH)*

xzfgrep *(PATH)*

xzgrep		*(PATH)*
xzless		*(PATH)*
xzmore		*(PATH)*
yad		*(PATH)*
yad-icon-browser		*(PATH)*
yad-tools		*(PATH)*
yes		*(PATH)*
ynl		*(PATH)*
ynl-ethtool		*(PATH)*
ypdomainname		*(PATH)*
yt-dlp		*(PATH)*

yum		*(PATH)*
zcat		*(PATH)*
zcmp		*(PATH)*
zdb		*(PATH)*
zdiff		*(PATH)*
zdump		*(PATH)*
zegrep		*(PATH)*
zenity		*(PATH)*
zfgrep		*(PATH)*
zforce		*(PATH)*
zfs		*(PATH)*

zfs-fuse		(PATH)
zfs-fuse-helper		(PATH)
zgrep		(PATH)
zic		(PATH)
zip		(PATH)
zipcloak		(PATH)
zipdetails		(PATH)
zipgrep		(PATH)
zipinfo		(PATH)
zipnote		(PATH)
zipsplit		(PATH)

zless		*(PATH)*
zmore		*(PATH)*
znew		*(PATH)*
zpool		*(PATH)*
zramctl		*(PATH)*
zramstart		*(PATH)*
zramstop		*(PATH)*
zsoelim		*(PATH)*
zstd		*(PATH)*
zstdcat		*(PATH)*
zstdgrep		*(PATH)*

zstdless (PATH)

zstdmt (PATH)

zstreamdump (PATH)

ztest (PATH)

zvbi-atsc-cc (PATH)

zvbi-chains (PATH)

zvbi-ntsc-cc (PATH)

zvbid (PATH)