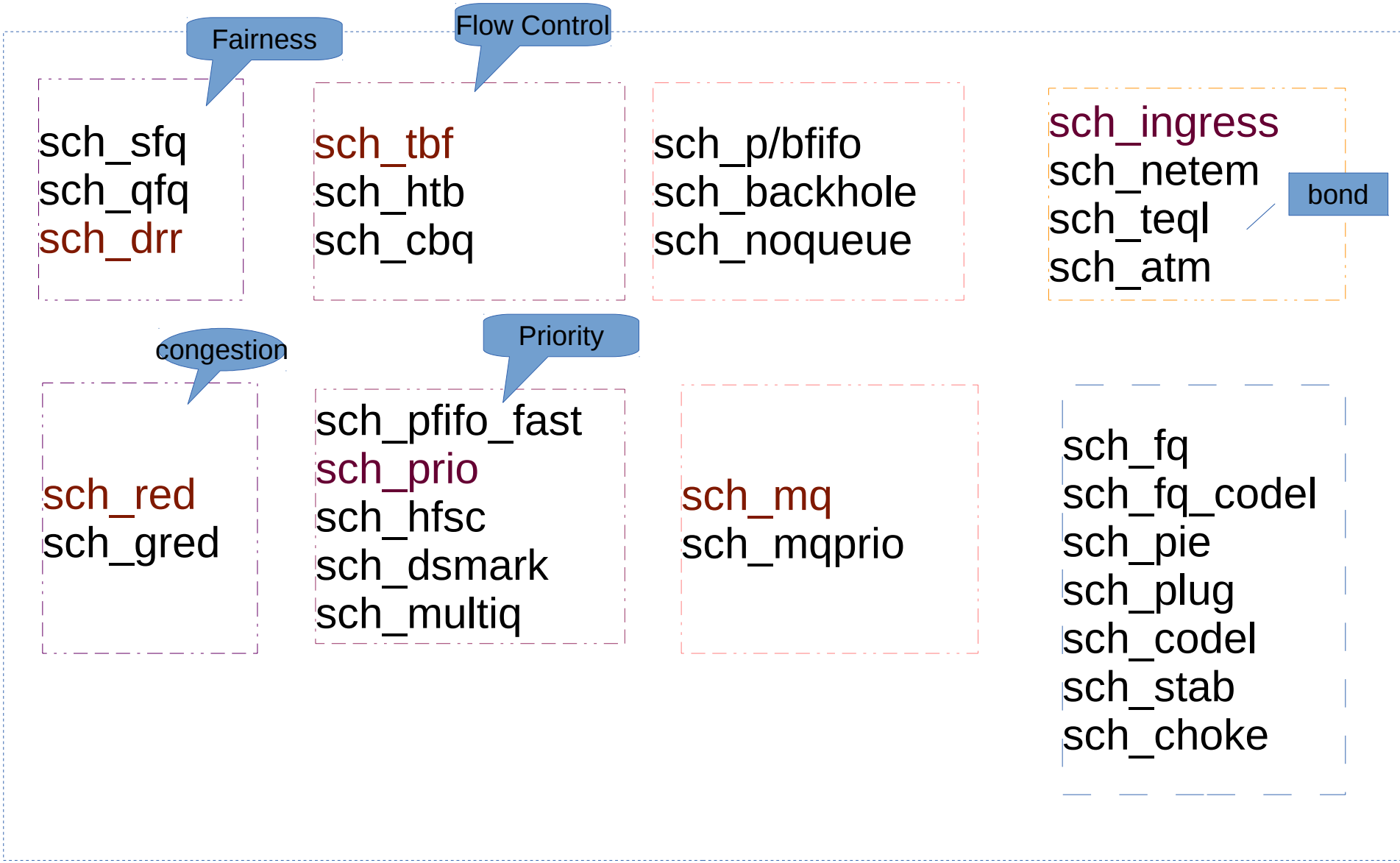
net_sched

Qdisc/Qdisc_ops:



Tcf_proto/Tcf_proto_ops:

cls_tcindex
cls_route4
cls_fw
cls_basic
cls_u32

cls_flow
cls_cgroup
cls_rvsp

edit

act_skbedit_ops
act_pedit_ops

act_simp_ops
act_gact_ops

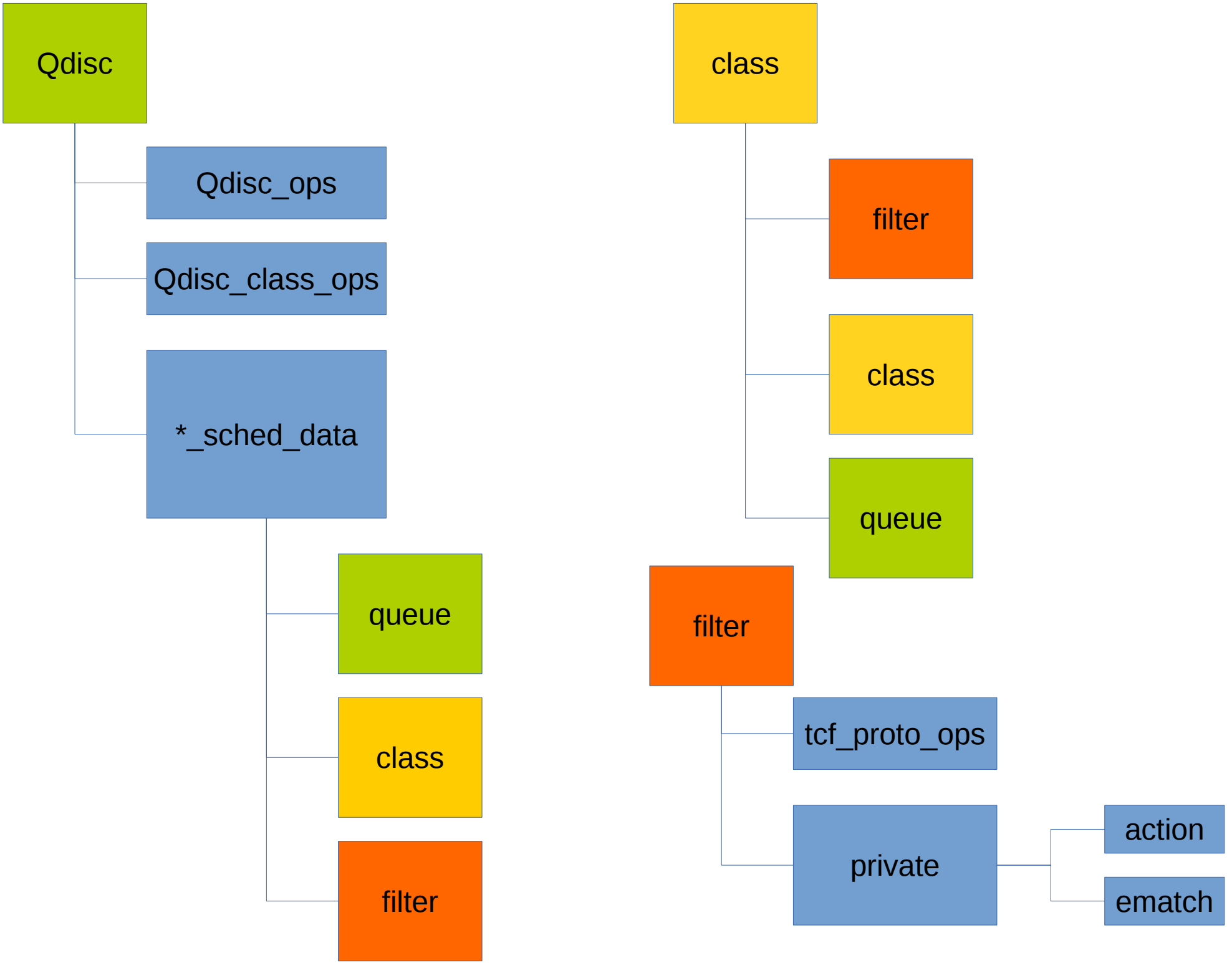
forward

act_mirred_ops
act_police_ops

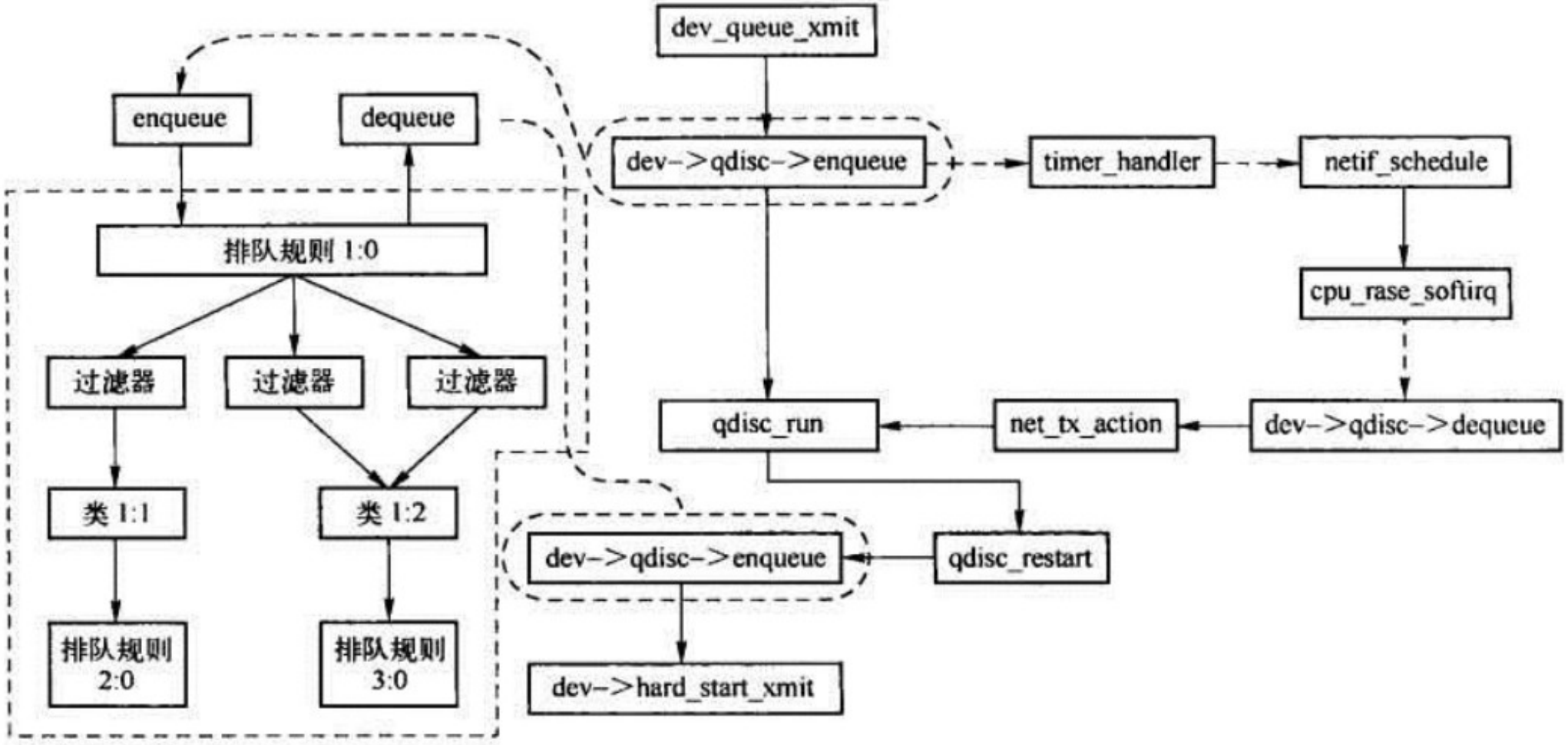
netfilter

act_ipt_ops
act_nat_ops

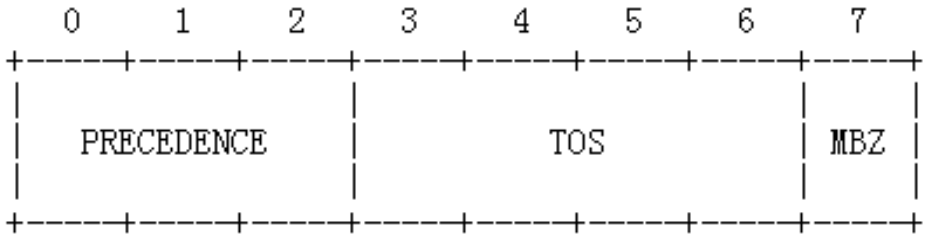
em_u32_ops
em_cmp_ops
em_nbyte_ops
em_meta_ops
em_text_ops


Qdisc
Qdisc_ops
Qdisc_class_ops
*_sched_data
queue
class
filter
class
filter
queue
filter
tcf_proto_ops
private
action
ematch

Qdisc Schedule:



Prio:

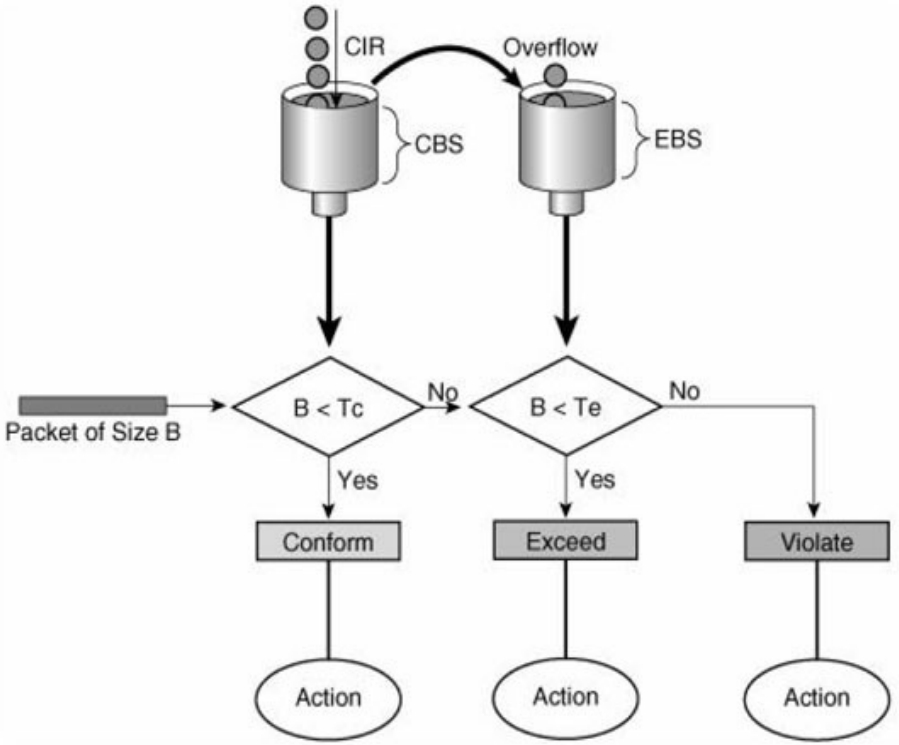


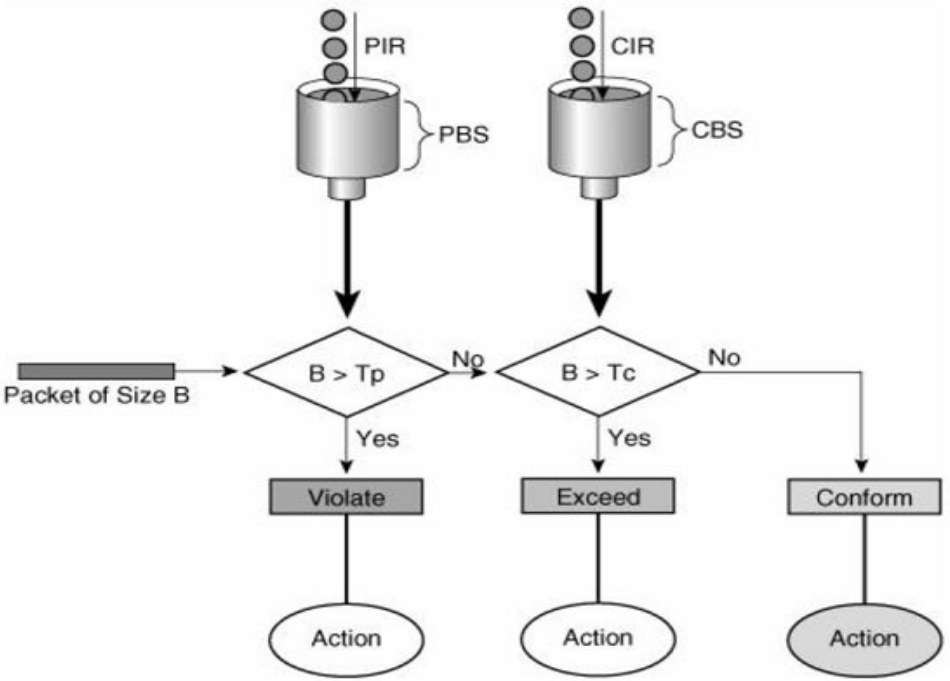
The four TOS bits (the 'TOS field') are defined as:

Binary	Decimcal	Meaning
1000	8	Minimize delay (md)
0100	4	Maximize throughput (mt)
0010	2	Maximize reliability (mr)
0001	1	Minimize monetary cost (mmc)
0000	0	Normal Service

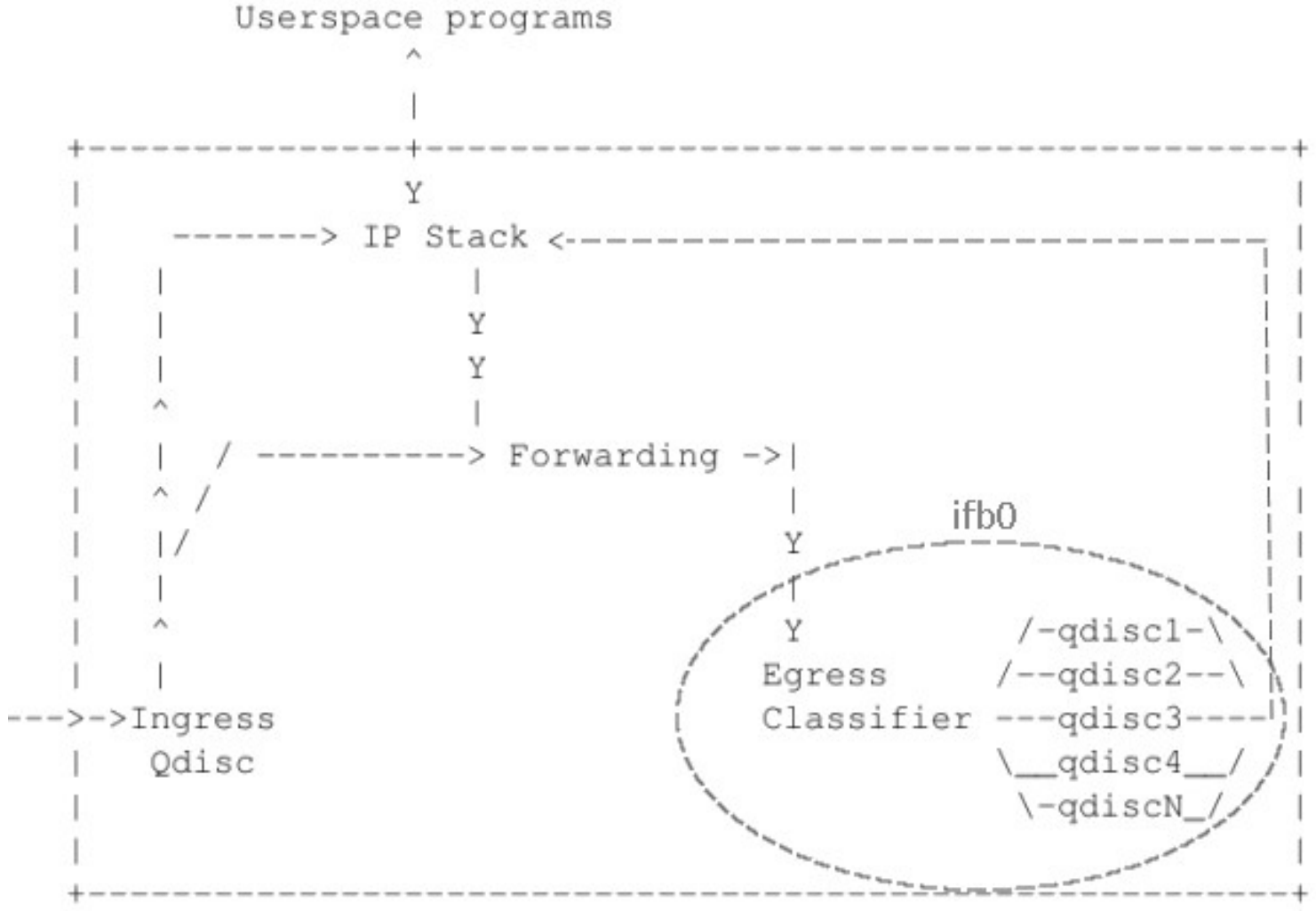
TOS	Bits	Means	Linux Priority	Band
0x0	0	Normal Service	0 Best Effort	1
0x2	1	Minimize Monetary Cost	1 Filler	2
0x4	2	Maximize Reliability	0 Best Effort	1
0x6	3	mmc+mr	0 Best Effort	1
0x8	4	Maximize Throughput	2 Bulk	2
0xa	5	mmc+mt	2 Bulk	2
0xc	6	mr+mt	2 Bulk	2
0xe	7	mmc+mr+mt	2 Bulk	2
0x10	8	Minimize Delay	6 Interactive	0
0x12	9	mmc+md	6 Interactive	0
0x14	10	mr+md	6 Interactive	0
0x16	11	mmc+mr+md	6 Interactive	0
0x18	12	mt+md	4 Int. Bulk	1
0x1a	13	mmc+mt+md	4 Int. Bulk	1
0x1c	14	mr+mt+md	4 Int. Bulk	1
0x1e	15	mmc+mr+mt+md	4 Int. Bulk	1

TBF/HTB:


CIR
Overflow
CBS
EBS
Packet of Size B
B < Tc
No
B < Te
No
Yes
Yes
Conform
Exceed
Violate
Action
Action
Action


PIR
CIR
PBS
CBS
Packet of Size B
B > Tp
No
B > Tc
No
Yes
Yes
Violate
Exceed
Conform
Action
Action
Action

Ingress:


Userspace programs
IP Stack
Forwarding
ifb0
Egress
Classifier
qdisc1
qdisc2
qdisc3
qdisc4
qdiscN
Ingress
Qdisc