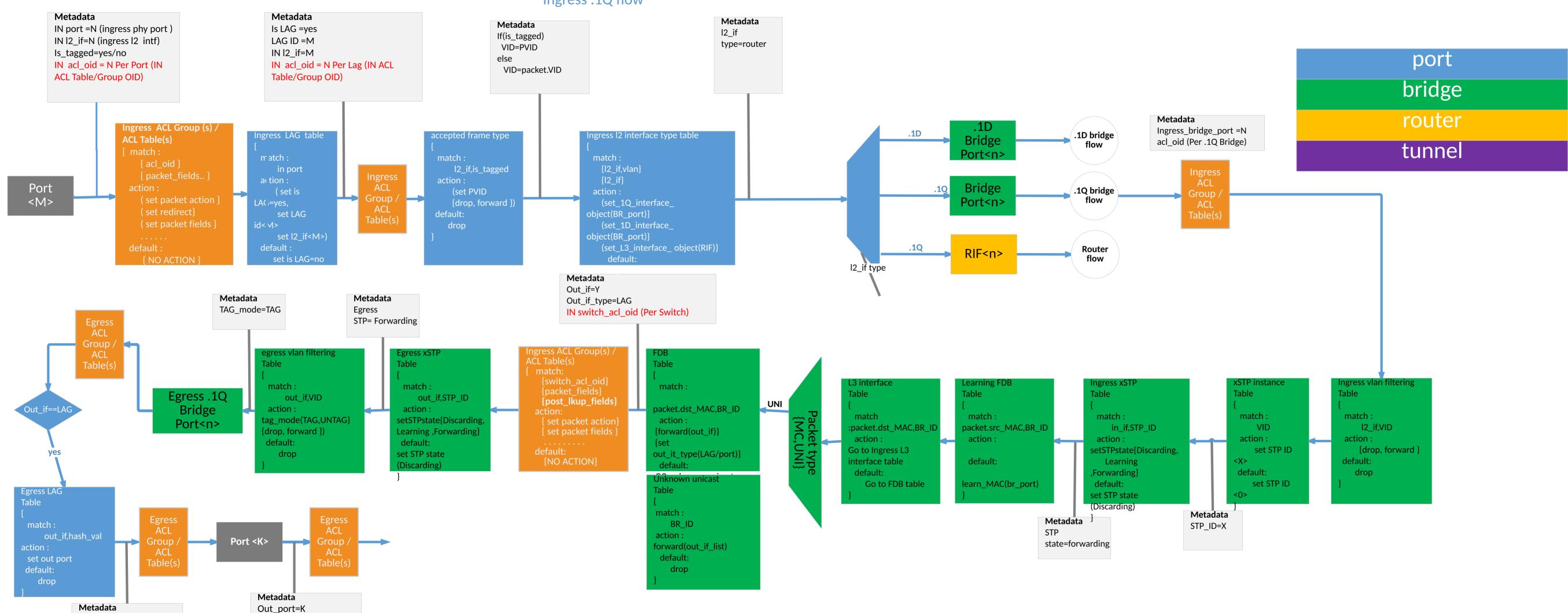
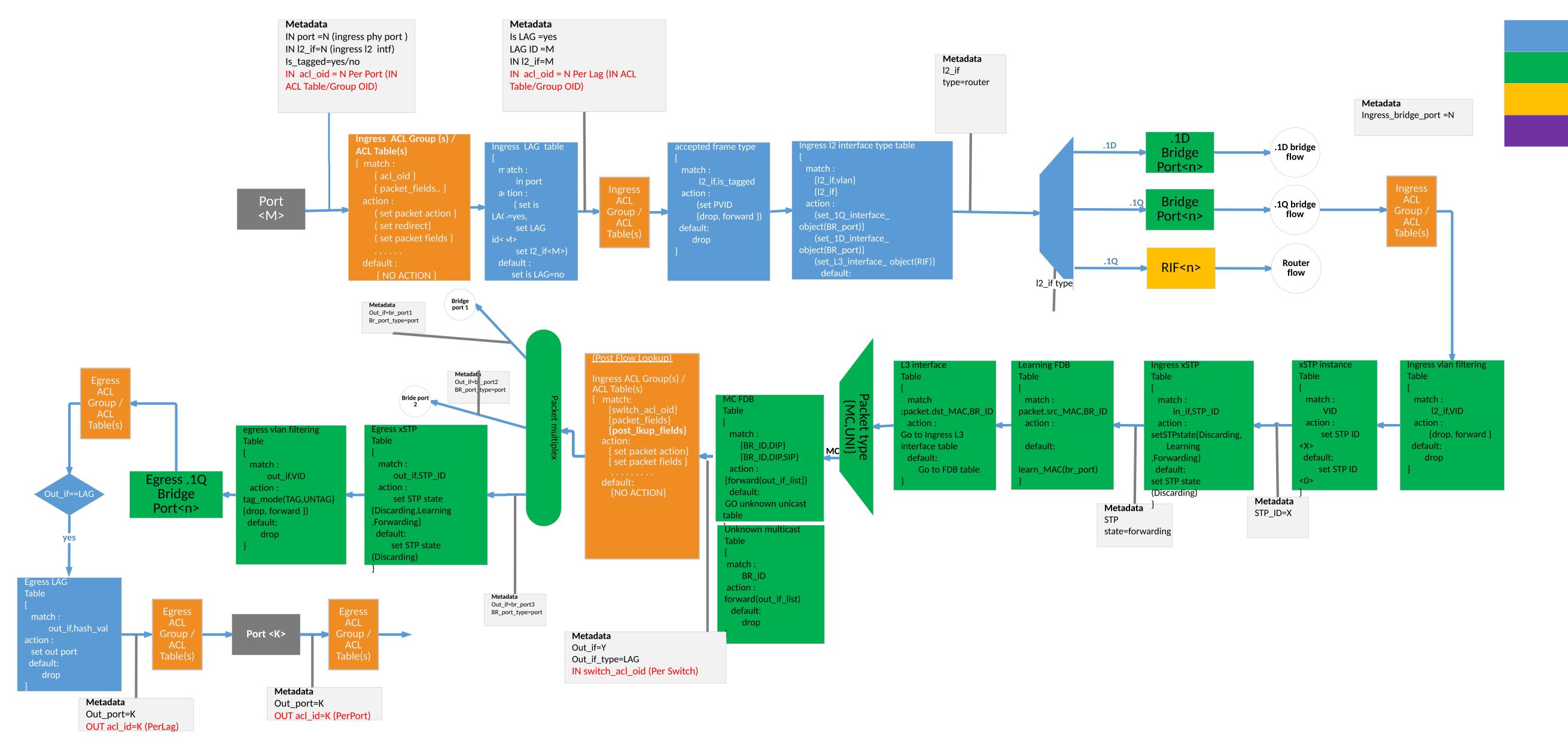
Ingress .1Q flow

Out_port=K

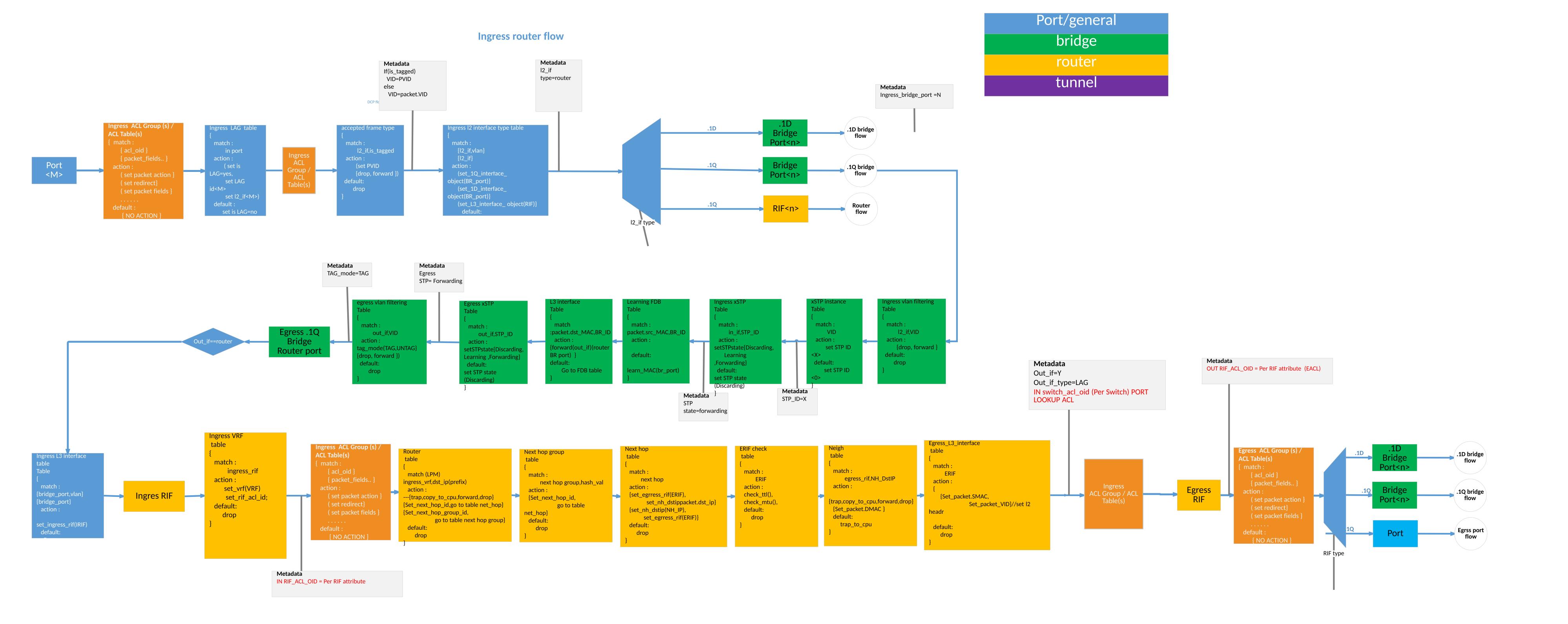
OUT acl_id=K (PerLag)

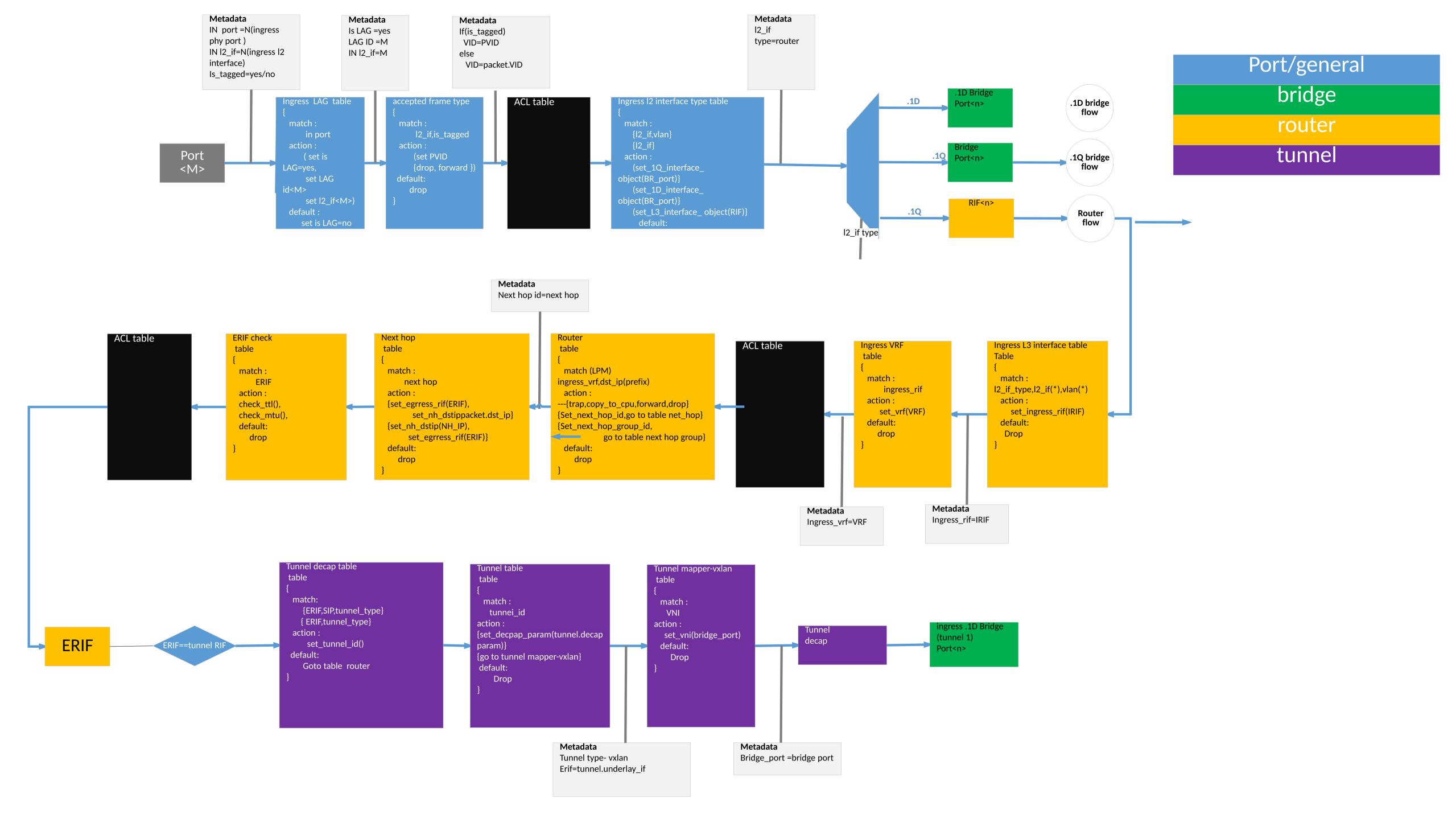
OUT acl id=K (PerPort)

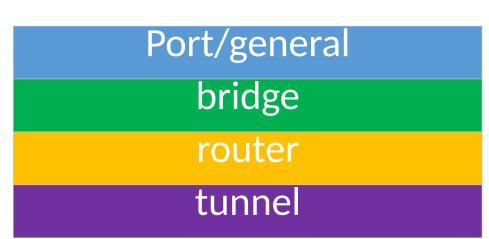




port
bridge
router
tunnel







Metadata

Egress

table

match :

action :

default:

drop

vbridge

table

match:

default:

Drop

Metadata

VNI=VNI

br_port

set_vlan(vlan)

set tag mode ()

(enacap)

Metadata

Ingress_vrf=VRF

Metadata

Out_if_type=tunnel port

bridge_port=tunnel.underlay_if

Router_rif=tunnel.encap.oerlay_if

Src_ip=tunnel.encap.src_ip

Tunnel type- vxlan

Dst_ip=dst_id

Metadata

TAG_mode=TAG

Tunnel mapper-vxlan

match :BR_ID

set_vni(VNI)

action:

table

match (LPM)

action :

default:

drop

ingress_vrf,dst_ip(prefix)

{Set_next_hop_group_id,

--{trap,copy_to_cpu,forward,drop}

{Set_next_hop_id,go to table net_hop}

go to table next hop group}

default:

Drop

Out_if=Y

Tunnel table

table

match:

action :

param)}

default: Drop

Metadata

Next hop =NH

tunnel_id

{set_encpap_param(tunnel.enca

table

match:

action:

net_hop}

default:

drop

{Set_next_hop_id,

next hop group,hash_val

go to table

Metadata

Next hop group=GR

{go to tunnel mapper-vxlan}

ACL table(egress

table

match:

action :

default:

drop

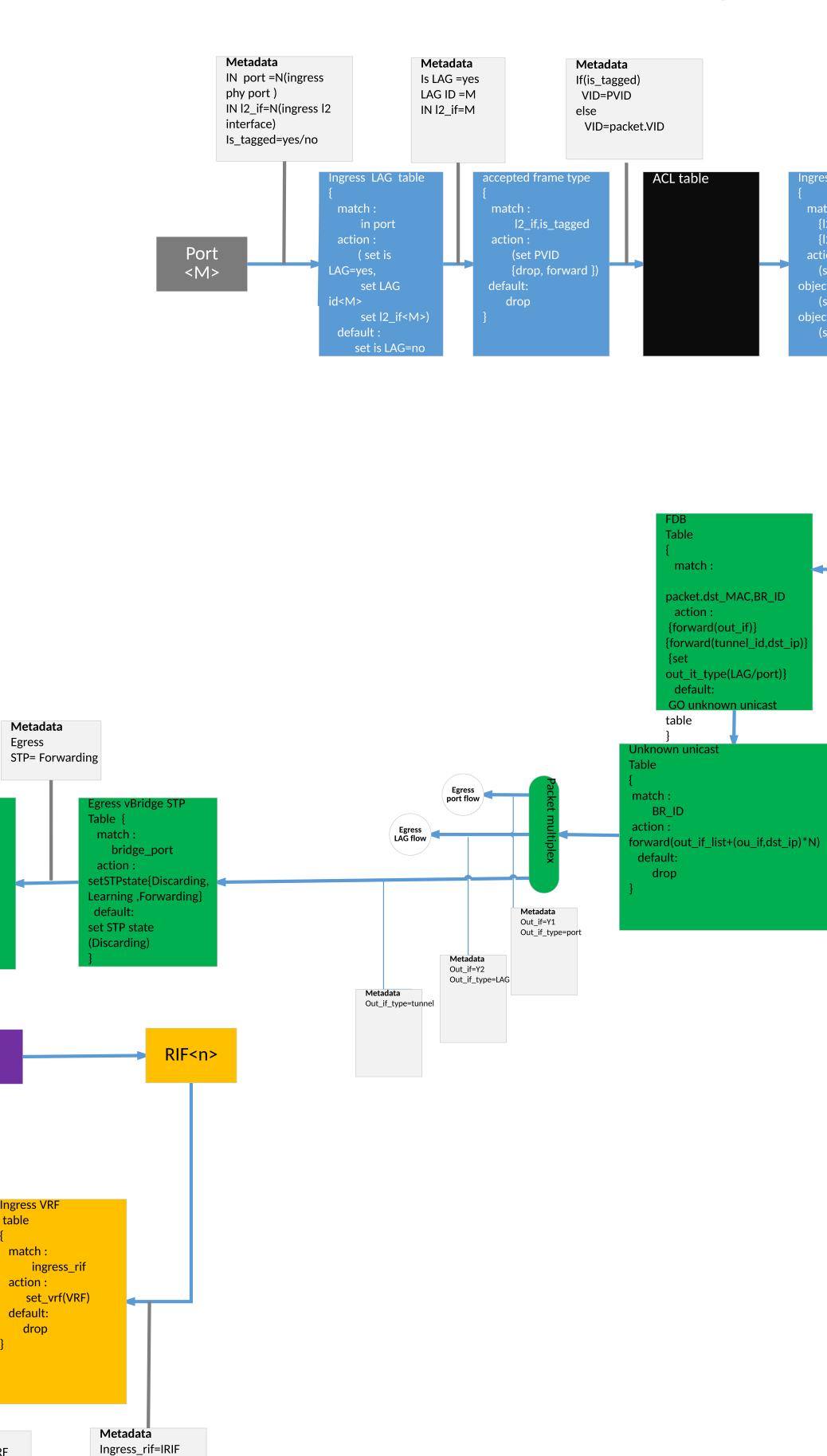
next hop

{set_egrress_rif(ERIF),

{set_nh_dstip(NH_IP),

set_nh_dstippacket.dst_ip}

set_egrress_rif(ERIF)}



Ingress port flow

Metadata

match

action:

default:

Go to Ingress L3

interface table

packet.dst_MAC,BR_ID

Go to FDB table

type=router

l2_if type

match:

action:

default:

packet.src_MAC,BR_ID

learn_MAC(br_port)

Metadata

.1D bridge

flow

.1Q bridge

flow

Router

match:

Drop

{bridge port}

set BR_ID<X>

flow

Metadata

BR_ID=X

match:

action :

bridge_port

Learning

,Forwarding}

set STP state

(Discarding)

Metadata

state=forwarding

STP

default:

etSTPstate{Discarding,

Ingress_bridge_port =N

l2_if

ngress l2 interface type table

{l2_if,vlan}

(set_1Q_interface_

(set_L3_interface_ object(RIF)}

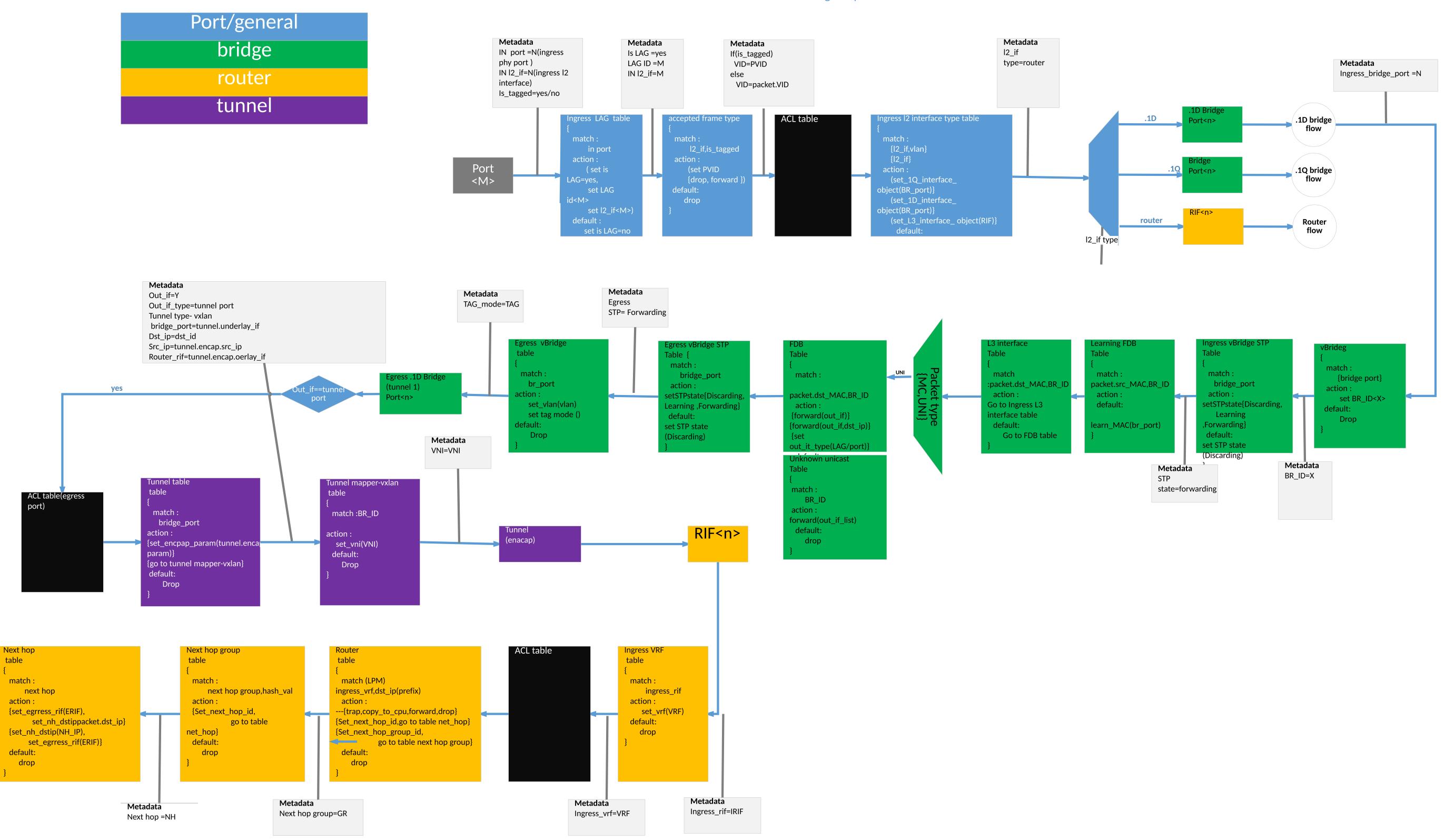
oject(BR_port)} (set_1D_interface_

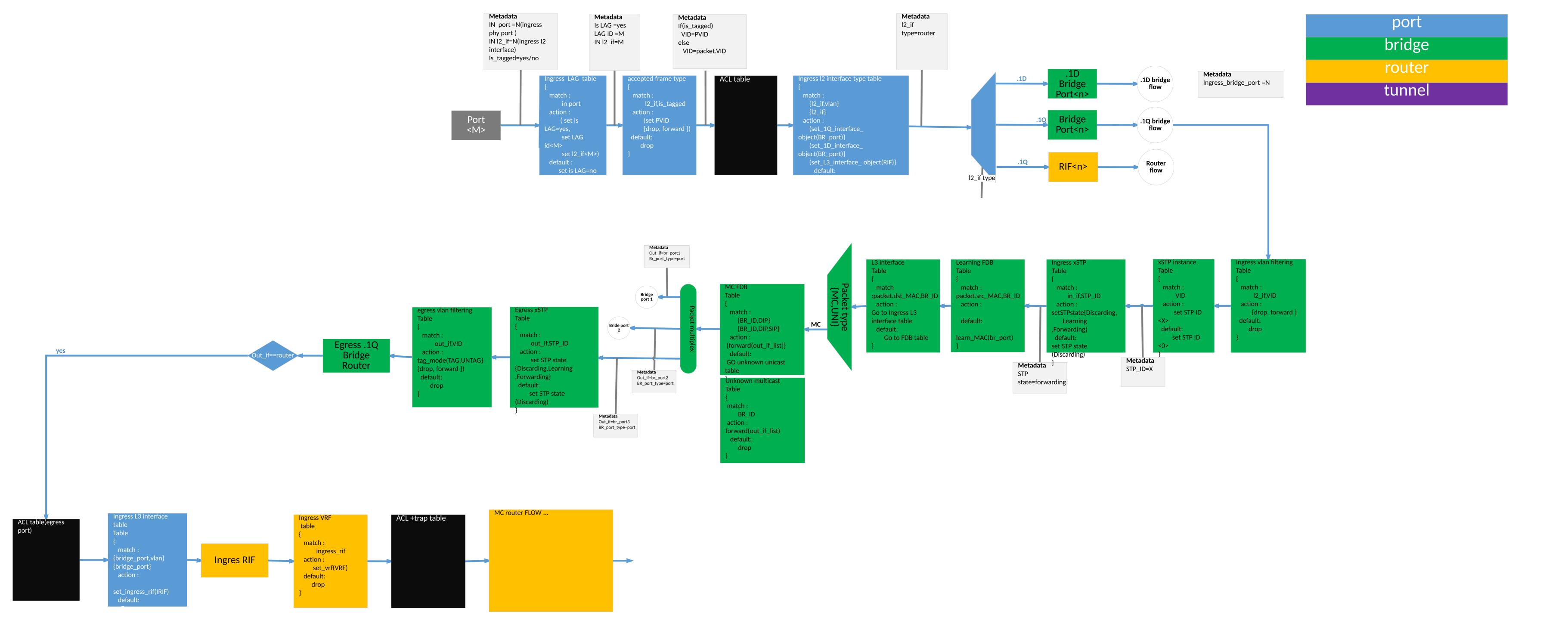
bject(BR_port)}

default:

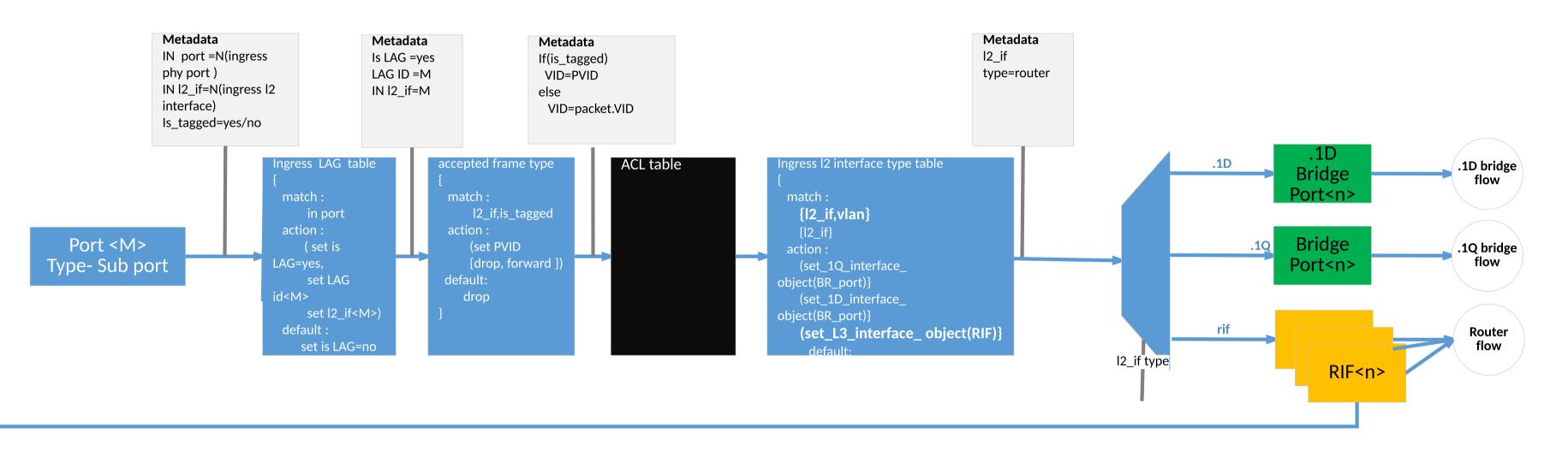
UNI

action :





Ingress port flow



Port/general bridge router tunnel

