

# OpenFlow 1.3 梳理总结

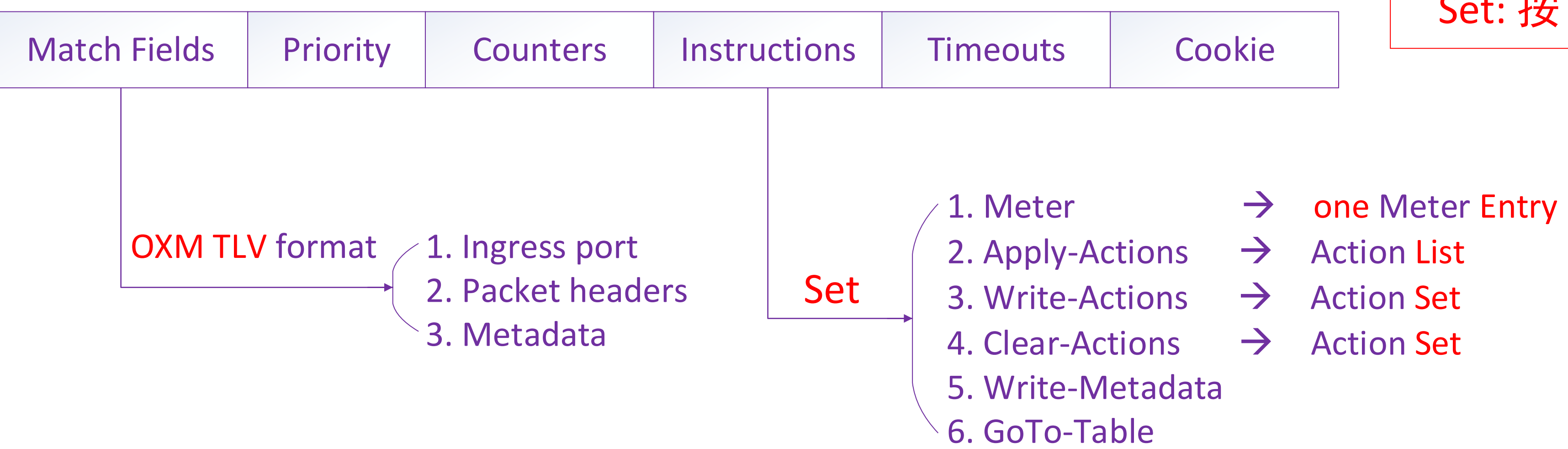
(按红字引用的顺序排列)

2015.10.28

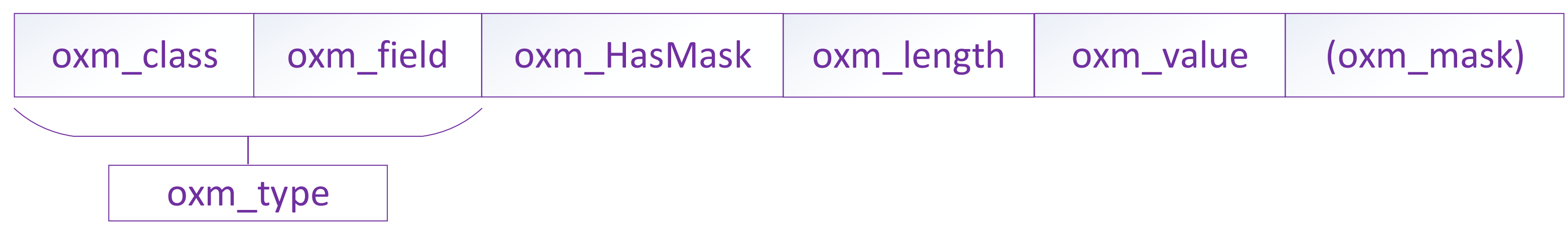
北邮 - 毛健炜 maojianwei.github.io

## Flow Entry:

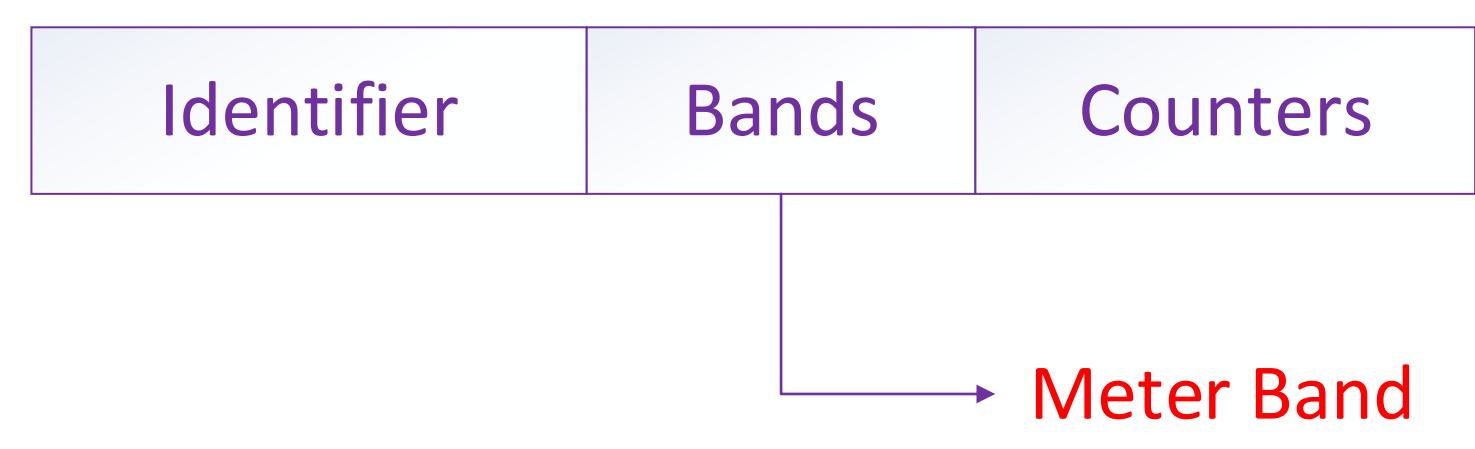
List: 按“排列”顺序执行  
Set: 按“协议”顺序执行



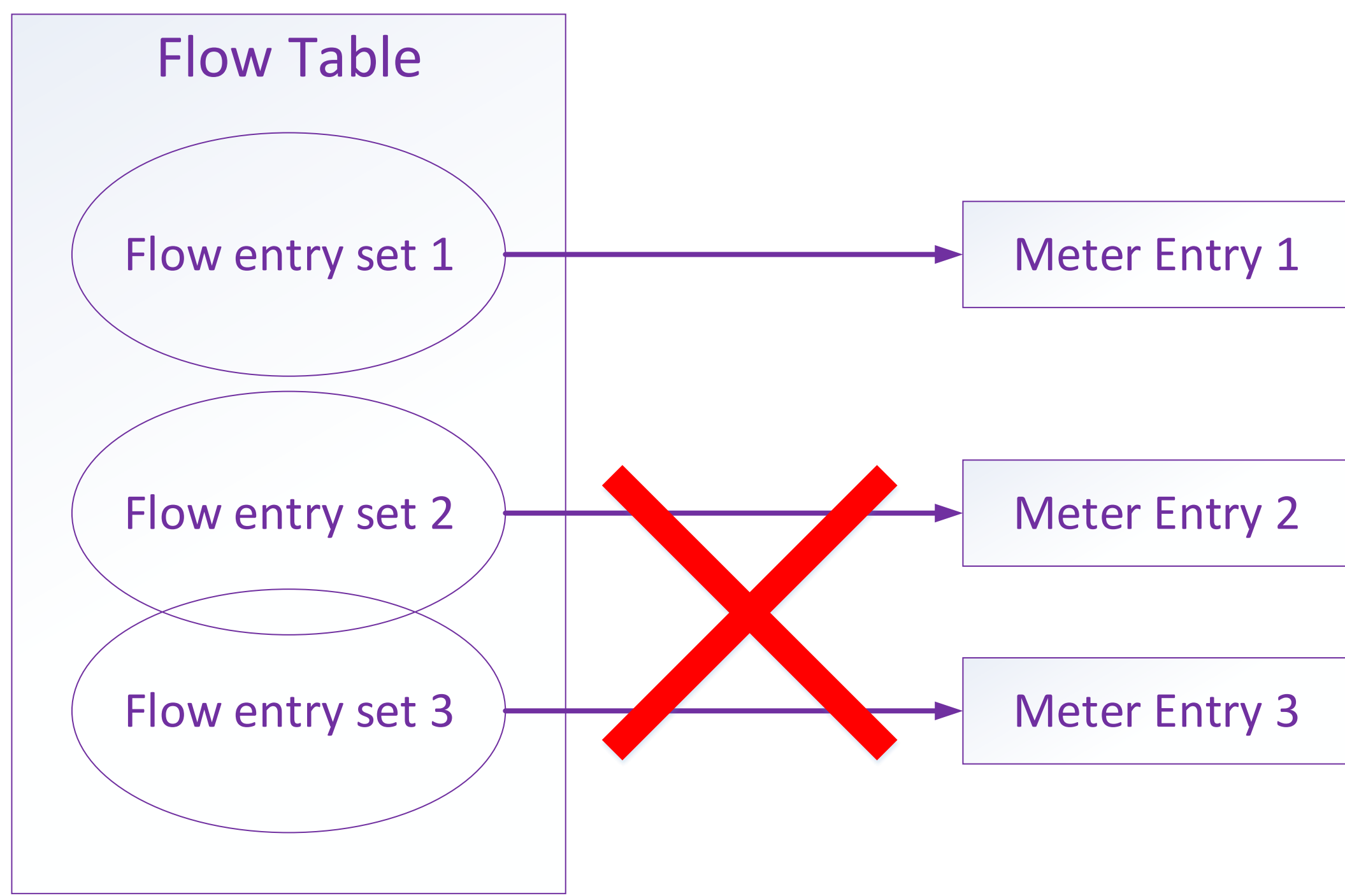
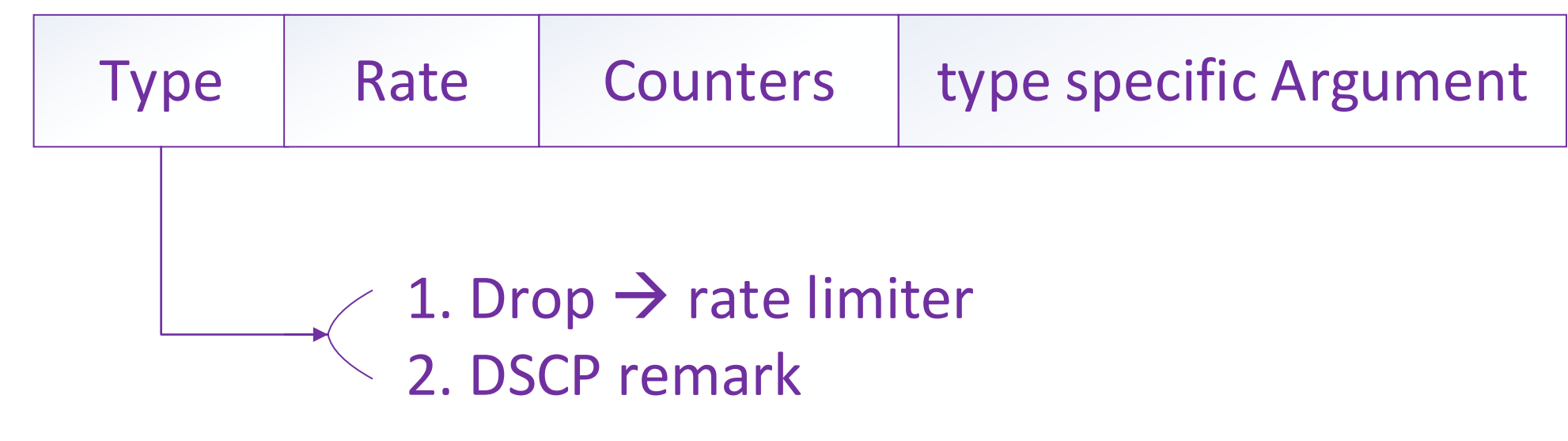
## OXM TLV(OpenFlow Extensible Match, Type-Length-Value):



## Meter Entry:



## Meter Band:

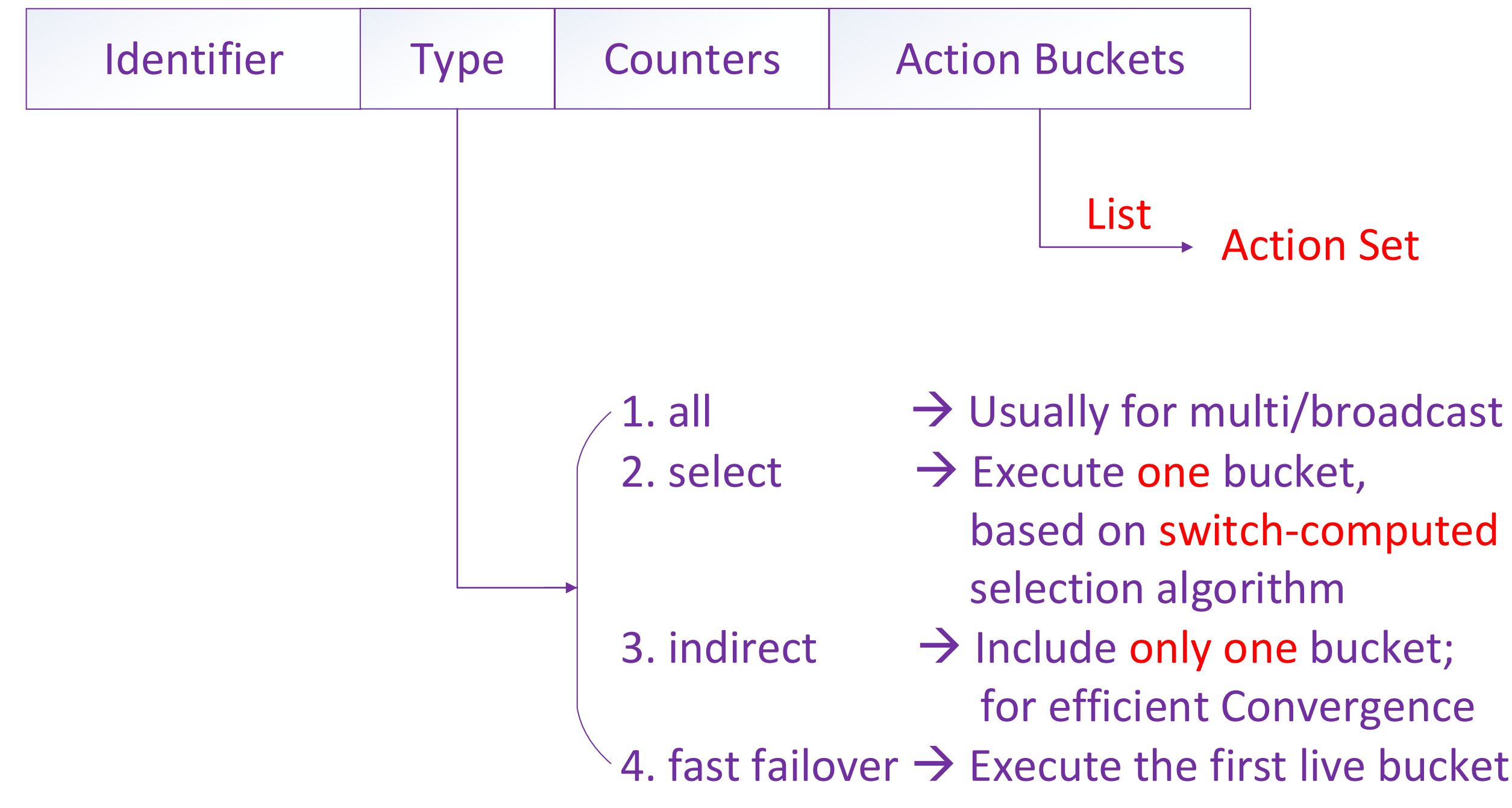


## Action Set (List)

Protocol order

- 1. copy TTL inwards
- 2. pop → apply all tag pop actions
- 3. push-MPLS
- 4. push-PBB
- 5. push-VLAN
- 6. copy TTL outwards
- 7. decrement TTL
- 8. set → apply all set-field actions
- 9. qos → such as set\_queue
- 10. group → one **Group Entry**
- 11. output → ignored if group is specified

## Group Entry:



OpenFlow Message Types		
<p style="color: red; font-weight: bold;">Controller-to-Switch</p> <ul style="list-style-type: none"> <li>1. Features</li> <li>2. Configuration</li> <li>3. Modify-State</li> <li>4. Read-State</li> <li>5. Packet-out</li> <li>6. Barrier</li> <li>7. Role-Request</li> <li>8. Asynchronous-Configuration</li> </ul>	<p style="color: red; font-weight: bold;">Asynchronous</p> <ul style="list-style-type: none"> <li>1. Packet-in</li> <li>2. Flow-Removed</li> <li>3. Port-Status</li> <li>4. Error</li> </ul>	<p style="color: red; font-weight: bold;">Symmetric</p> <ul style="list-style-type: none"> <li>1. Hello</li> <li>2. Echo Request/Reply</li> <li>3. Experimenter</li> </ul>

