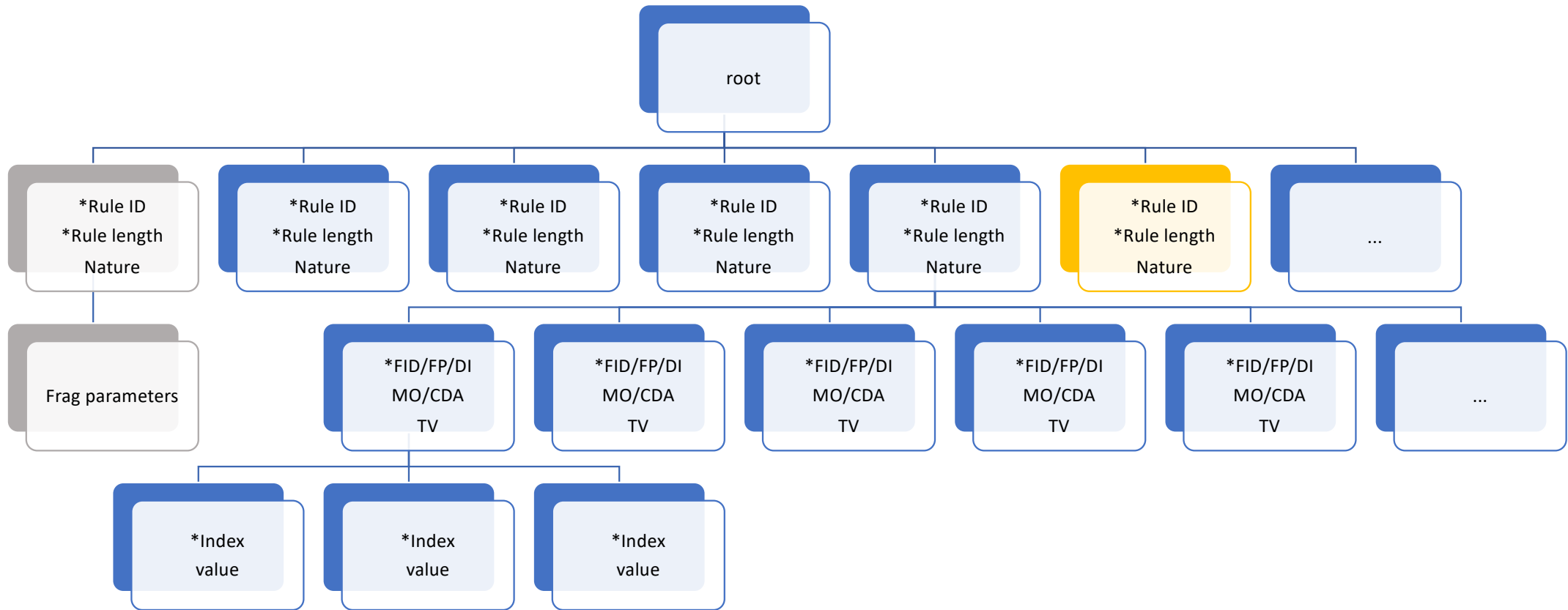
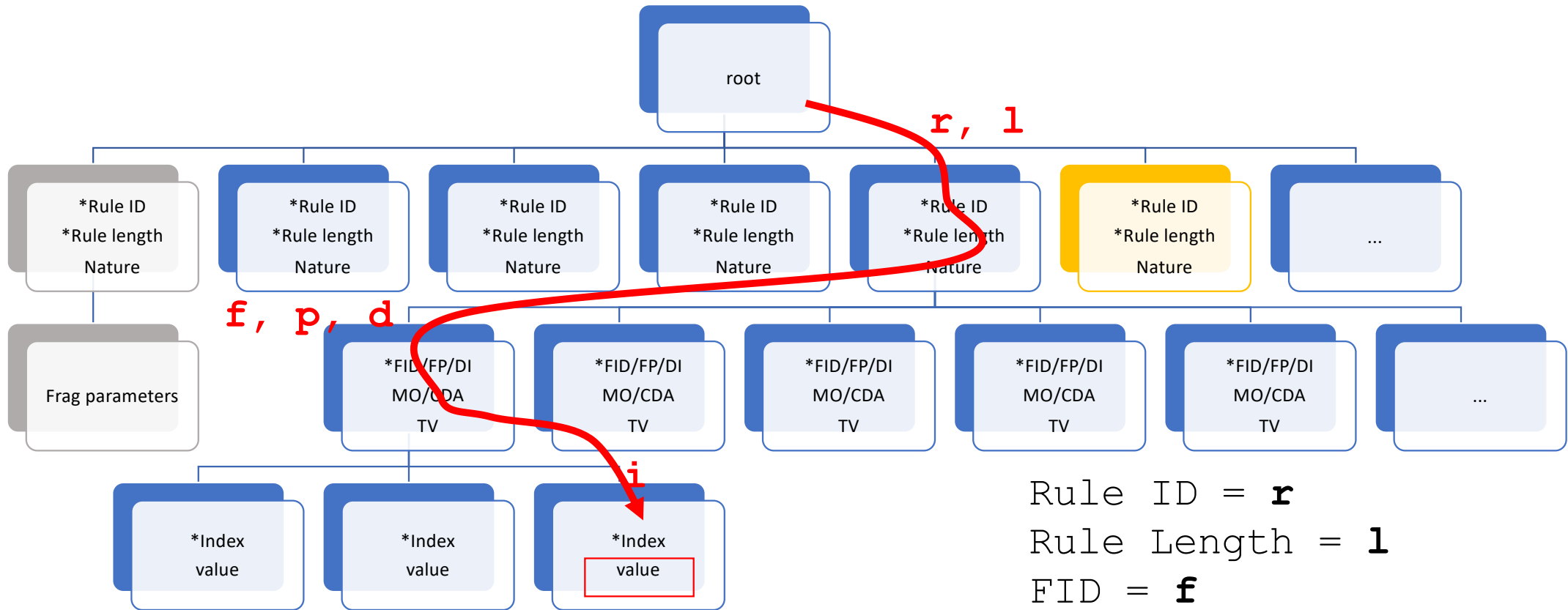


EXPLOITING YANG DATA MODEL

- Access one value

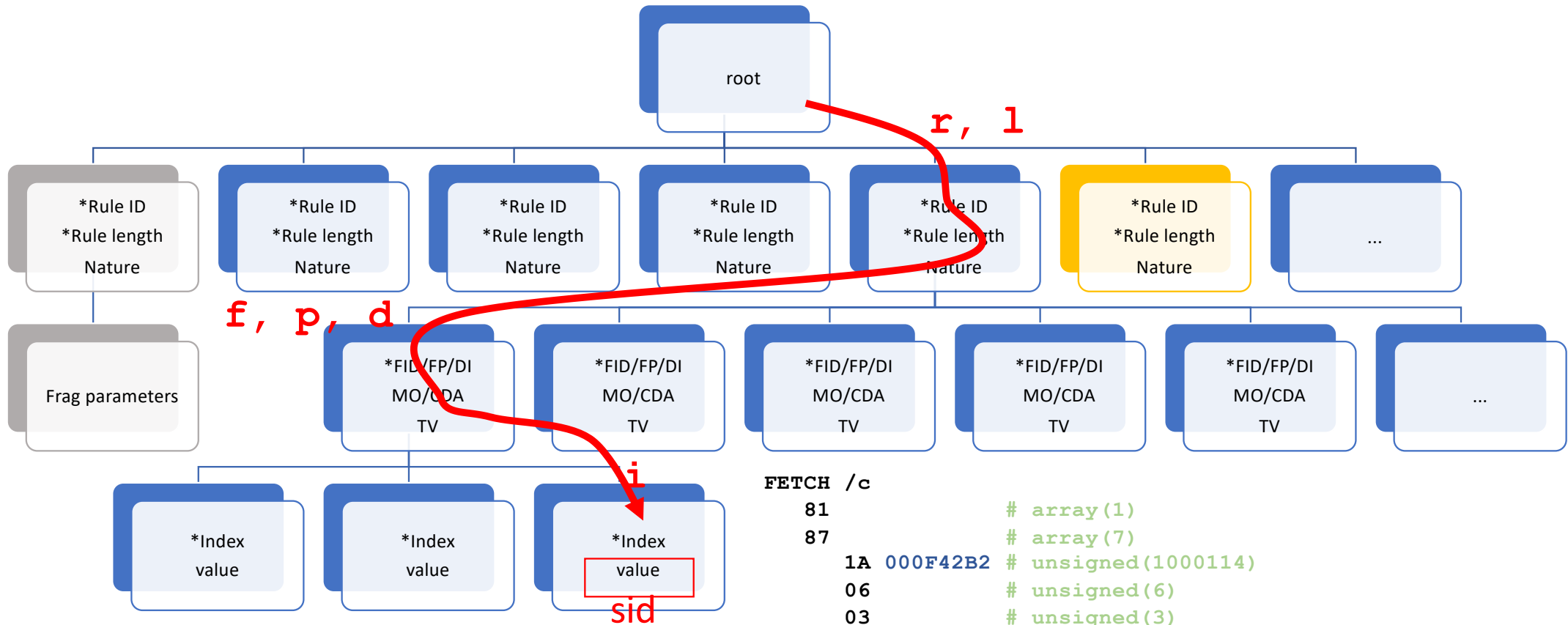


EXPLOITING YANG DATA MODEL



Rule ID = **r**
Rule Length = **l**
FID = **f**
FP = **p**
DI = **d**
Index = **i**

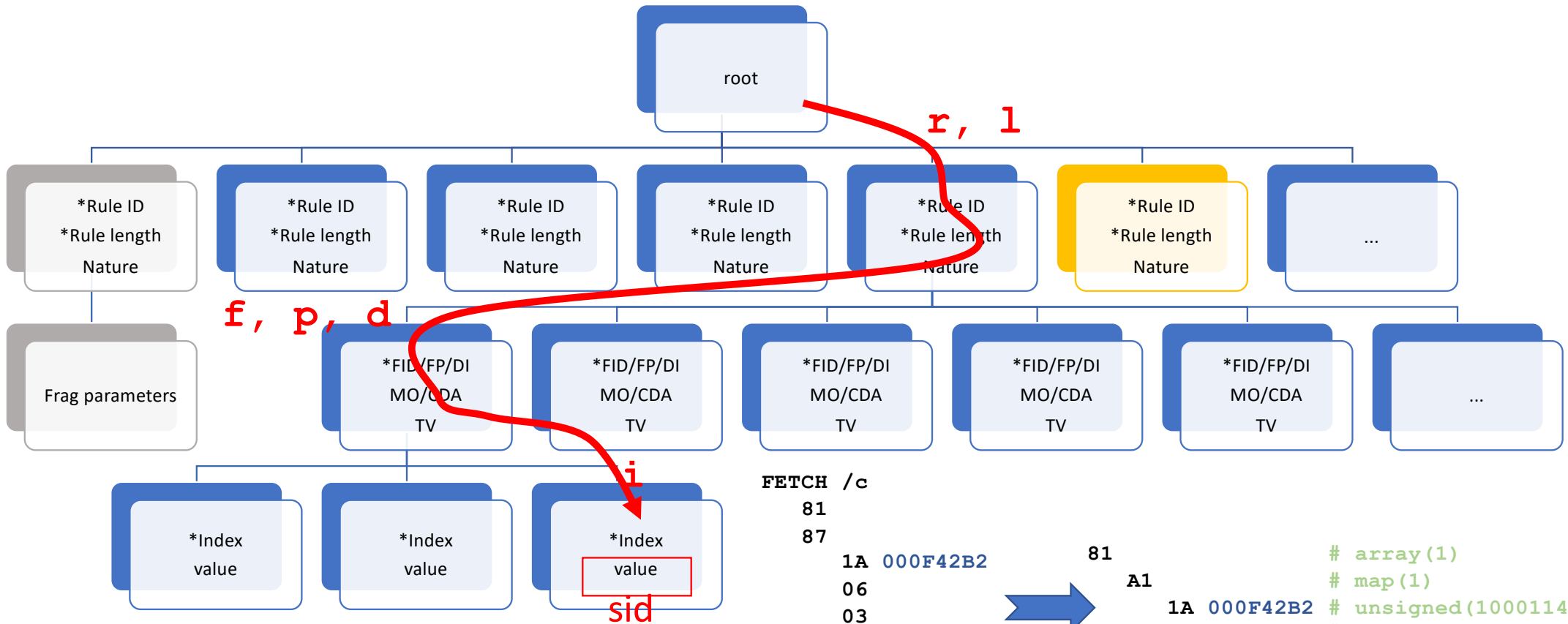
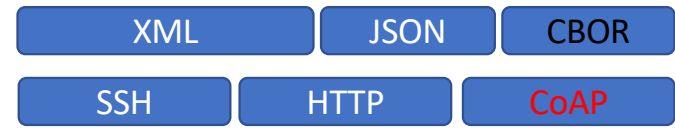
EXPLOITING YANG DATA MODEL



```

FETCH /c
81          # array(1)
87          # array(7)
1A 000F42B2 # unsigned(1000114)
06          # unsigned(6)
03          # unsigned(3)
1A 000F427D # unsigned(1000061)
01          # unsigned(1)
1A 000F4252 # unsigned(1000018)
00          # unsigned(0)
    
```

EXPLOITING YANG DATA MODEL



```

FETCH /c
81
87
1A 000F42B2
06
03
1A 000F427D
01
1A 000F4252
00

```

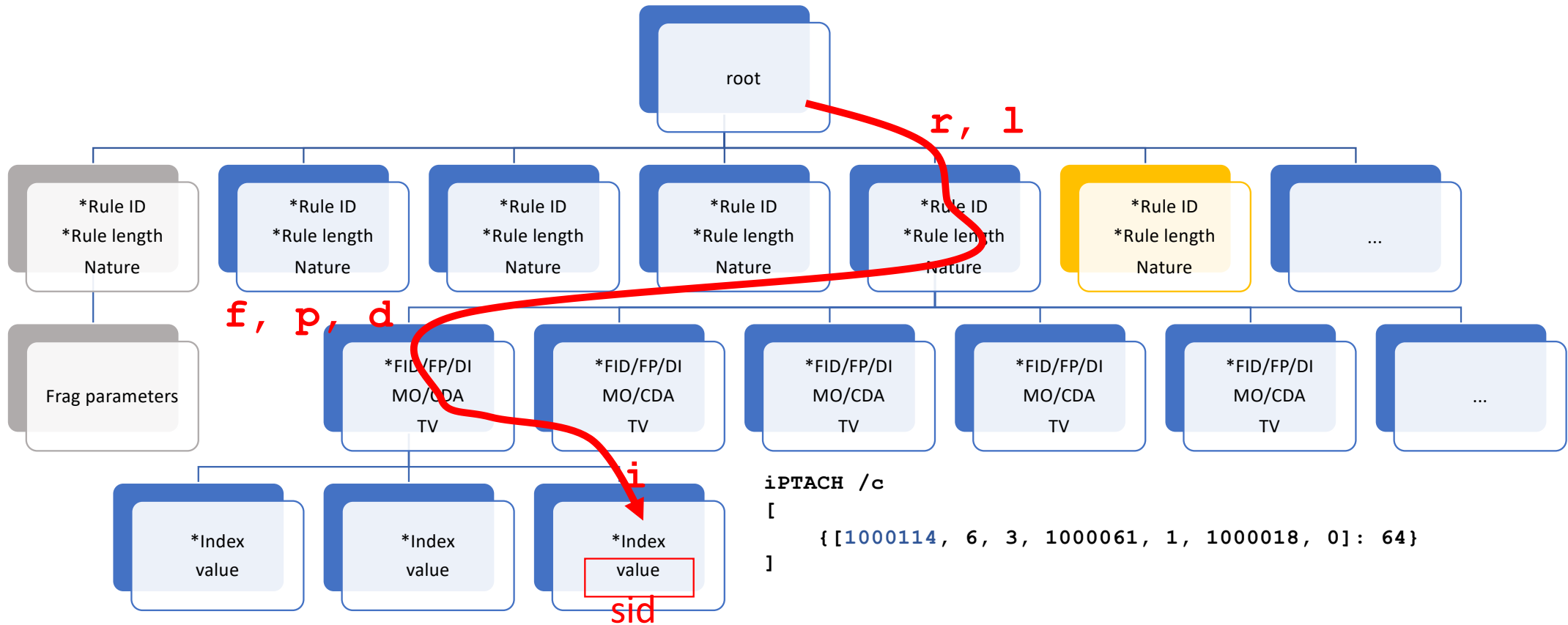
➔

```

81
A1
1A 000F42B2 # array(1)
18 FF       # map(1)
           # unsigned(100114)
           # unsigned(255)

```

EXPLOITING YANG DATA MODEL



```
iPTACH /c  
[  
  {[1000114, 6, 3, 1000061, 1, 1000018, 0]: 64}  
]
```

```
    "namespace": "data",
    "identifier": "/ietf-schc:schc/rule/w-size",
    "sid": 1000134,
    "type": "uint8"
  },
  {
    "namespace": "data",
    "identifier": "/ietf-schc:schc/rule/window-size",
    "sid": 1000135,
    "type": "uint16"
  }
],
"key-mapping": {
  "1000096": [
    1000130,
    1000129
  ],
  "1000100": [
    1000106,
    1000108,
    1000105
  ],
  "1000113": [
    1000114
  ],
  "1000110": [
    1000111
  ],
  "1000102": [
    1000103
  ]
}
}
```

See: <https://github.com/ltm22/pyang>

```
{
  "namespace": "data",
  "identifier": "/ietf-schc:schc/rule/inactivity-timer/ticks-numbers",
  "sid": 1000120,
  "type": "uint16"
},
{
  "namespace": "data",
  "identifier": "/ietf-schc:schc/rule/l2-word-size",
  "sid": 1000121,
  "type": "uint8"
},
{
  "namespace": "data",
  "identifier": "/ietf-schc:schc/rule/max-ack-requests",
  "sid": 1000122,
  "type": "uint8"
},
{
  "namespace": "data",
  "identifier": "/ietf-schc:schc/rule/max-interleaved-frames",
  "sid": 1000123,
  "type": "uint8"
},
{
  "namespace": "data",
  "identifier": "/ietf-schc:schc/rule/maximum-packet-size",
  "sid": 1000124,
  "type": "uint16"
},
{
  "namespace": "data",
  "identifier": "/ietf-schc:schc/rule/rcs-algorithm",
  "sid": 1000125,
  "type": "identityref"
},
,
```

Help