批量数据分析

2018/8/31

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| 1.动作特性分析 |
| 这是17ms |
| 这是24ms |
| 这是17ms |
| 这是24ms |
| 这是18ms |
| Goose接收与保护逻辑属于同一个优先级（goRe，distpro）  其中dispro是保护循环循环周期是3ms。而24ms与17ms差为7ms（2X3） |
| 1. 调整优先级 |
| 单独的1过流处理时间：23/22/20/12/21/31ms |
| 1. 修改启动，动作时间   23/34/31/39/17/37/22/41 |
| 4.只考虑单点1,----32/18/7/7/7 |

2018

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| 1. 获取分析。不应该出现FREE现象 |
| toplogy id: 0xc0a80a04, ip: 192:168:10:4  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a04 ip: 192:168:10:4  neighrbour num 3  neighrbour 0 id:0xc0a80a01, ip: 192:168:10:1  neighrbour 1 id:0xc0a80a02, ip: 192:168:10:2  neighrbour 2 id:0xc0a80a03, ip: 192:168:10:3  memory total: 8388580, used:20832, maxused: 20832  ID: C0A80A04, FAULT: 2.  ID: C0A80A04, SwitchState: 1.  STATION:C0A80A01, ExecuteFunctioncode : 2.  STATION:C0A80A02, ExecuteFunctioncode : 2.  STATION:C0A80A04, ExecuteFunctioncode : 2.  STATION:C0A80A03, ExecuteFunctioncode : 2.  STATION:C0A80A01, ExecuteFunctioncode : 2.  STATION:C0A80A03, ExecuteFunctioncode : 2.  STATION:C0A80A02, ExecuteFunctioncode : 2.  STATION:C0A80A04, ExecuteFunctioncode : 2.  STATION:C0A80A02, ExecuteFunctioncode : 2.  STATION:C0A80A01, ExecuteFunctioncode : 2.  STATION:C0A80A03, ExecuteFunctioncode : 2.  STATION:C0A80A04, ExecuteFunctioncode : 2.  STATION:C0A80A04, ExecuteFunctioncode : 3.  toplogy id: 0xc0a80a01, ip: 192:168:10:1  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a01 ip: 192:168:10:1  neighrbour num 3  neighrbour 0 id:0xc0a80a02, ip: 192:168:10:2  neighrbour 1 id:0xc0a80a03, ip: 192:168:10:3  neighrbour 2 id:0xc0a80a04, ip: 192:168:10:4  memory total: 8388580, used:22048, maxused: 22048  STATION:C0A80A04, ExecuteFunctioncode : 3.  toplogy id: 0xc0a80a02, ip: 192:168:10:2  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a02 ip: 192:168:10:2  neighrbour num 3  neighrbour 0 id:0xc0a80a01, ip: 192:168:10:1  neighrbour 1 id:0xc0a80a03, ip: 192:168:10:3  neighrbour 2 id:0xc0a80a04, ip: 192:168:10:4  memory total: 8388580, used:22208, maxused: 22208  STATION:C0A80A04, ExecuteFunctioncode : 3.  toplogy id: 0xc0a80a03, ip: 192:168:10:3  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a03 ip: 192:168:10:3  neighrbour num 3  neighrbour 0 id:0xc0a80a01, ip: 192:168:10:1  neighrbour 1 id:0xc0a80a02, ip: 192:168:10:2  neighrbour 2 id:0xc0a80a04, ip: 192:168:10:4  memory total: 8388580, used:22368, maxused: 22368  STATION:C0A80A03, ExecuteFunctioncode : 3.  toplogy id: 0xc0a80a04, ip: 192:168:10:4  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a04 ip: 192:168:10:4  neighrbour num 3  neighrbour 0 id:0xc0a80a01, ip: 192:168:10:1  neighrbour 1 id:0xc0a80a02, ip: 192:168:10:2  neighrbour 2 id:0xc0a80a03, ip: 192:168:10:3  memory total: 8388580, used:22816, maxused: 22816  STATION:C0A80A03, ExecuteFunctioncode : 3.  toplogy id: 0xc0a80a01, ip: 192:168:10:1  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a01 ip: 192:168:10:1  neighrbour num 3  neighrbour 0 id:0xc0a80a02, ip: 192:168:10:2  neighrbour 1 id:0xc0a80a03, ip: 192:168:10:3  neighrbour 2 id:0xc0a80a04, ip: 192:168:10:4  memory total: 8388580, used:22976, maxused: 22976  STATION:C0A80A03, ExecuteFunctioncode : 3.  toplogy id: 0xc0a80a02, ip: 192:168:10:2  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a02 ip: 192:168:10:2  neighrbour num 3  neighrbour 0 id:0xc0a80a01, ip: 192:168:10:1  neighrbour 1 id:0xc0a80a03, ip: 192:168:10:3  neighrbour 2 id:0xc0a80a04, ip: 192:168:10:4  memory total: 8388580, used:23136, maxused: 23136  STATION:C0A80A02, ExecuteFunctioncode : 3.  toplogy id: 0xc0a80a03, ip: 192:168:10:3  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a03 ip: 192:168:10:3  neighrbour num 3  neighrbour 0 id:0xc0a80a01, ip: 192:168:10:1  neighrbour 1 id:0xc0a80a02, ip: 192:168:10:2  neighrbour 2 id:0xc0a80a04, ip: 192:168:10:4  memory total: 8388580, used:23296, maxused: 23296  STATION:C0A80A02, ExecuteFunctioncode : 3.  toplogy id: 0xc0a80a04, ip: 192:168:10:4  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a04 ip: 192:168:10:4  neighrbour num 3  neighrbour 0 id:0xc0a80a01, ip: 192:168:10:1  neighrbour 1 id:0xc0a80a02, ip: 192:168:10:2  neighrbour 2 id:0xc0a80a03, ip: 192:168:10:3  memory total: 8388580, used:23456, maxused: 23456  STATION:C0A80A02, ExecuteFunctioncode : 3.  toplogy id: 0xc0a80a01, ip: 192:168:10:1  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a01 ip: 192:168:10:1  neighrbour num 3  neighrbour 0 id:0xc0a80a02, ip: 192:168:10:2  neighrbour 1 id:0xc0a80a03, ip: 192:168:10:3  neighrbour 2 id:0xc0a80a04, ip: 192:168:10:4  memory total: 8388580, used:23616, maxused: 23616  **STATION:C0A80A01, ExecuteFunctioncode : 3.**  toplogy id: 0xc0a80a02, ip: 192:168:10:2  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a02 ip: 192:168:10:2  neighrbour num 3  neighrbour 0 id:0xc0a80a01, ip: 192:168:10:1  neighrbour 1 id:0xc0a80a03, ip: 192:168:10:3  neighrbour 2 id:0xc0a80a04, ip: 192:168:10:4  memory total: 8388580, used:23872, maxused: 23872  STATION:C0A80A01, ExecuteFunctioncode : 3.  toplogy id: 0xc0a80a03, ip: 192:168:10:3  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a03 ip: 192:168:10:3  neighrbour num 3  neighrbour 0 id:0xc0a80a01, ip: 192:168:10:1  neighrbour 1 id:0xc0a80a02, ip: 192:168:10:2  neighrbour 2 id:0xc0a80a04, ip: 192:168:10:4  memory total: 8388580, used:24032, maxused: 24032  STATION:C0A80A01, ExecuteFunctioncode : 3.  toplogy id: 0xc0a80a04, ip: 192:168:10:4  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a04 ip: 192:168:10:4  neighrbour num 3  neighrbour 0 id:0xc0a80a01, ip: 192:168:10:1  neighrbour 1 id:0xc0a80a02, ip: 192:168:10:2  neighrbour 2 id:0xc0a80a03, ip: 192:168:10:3  memory total: 8388580, used:24192, maxused: 24192  STATION:C0A80A01, ExecuteFunctioncode : 2.  STATION:C0A80A03, ExecuteFunctioncode : 2.  STATION:C0A80A02, ExecuteFunctioncode : 2.  STATION:C0A80A04, ExecuteFunctioncode : 2.  STATION:C0A80A02, ExecuteFunctioncode : 2.  STATION:C0A80A01, ExecuteFunctioncode : 2.  STATION:C0A80A03, ExecuteFunctioncode : 2.  STATION:C0A80A04, ExecuteFunctioncode : 2.  STATION:C0A80A02, ExecuteFunctioncode : 2.  STATION:C0A80A03, ExecuteFunctioncode : 2.  STATION:C0A80A04, ExecuteFunctioncode : 2.  STATION:C0A80A03, ExecuteFunctioncode : 3.  FreeTopologyMemory before memory total: 8388580, used:24304, maxused: 24328  FreeTopologyMemory after memory total: 8388580, used:24168, maxused: 24328  toplogy id: 0xc0a80a01, ip: 192:168:10:1  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a01 ip: 192:168:10:1  neighrbour num 3  neighrbour 0 id:0xc0a80a02, ip: 192:168:10:2  neighrbour 1 id:0xc0a80a03, ip: 192:168:10:3  neighrbour 2 id:0xc0a80a04, ip: 192:168:10:4  memory total: 8388580, used:24192, maxused: 24328  STATION:C0A80A03, ExecuteFunctioncode : 3.  FreeTopologyMemory before memory total: 8388580, used:24304, maxused: 24328  FreeTopologyMemory after memory total: 8388580, used:24168, maxused: 24328  toplogy id: 0xc0a80a02, ip: 192:168:10:2  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a02 ip: 192:168:10:2  neighrbour num 3  neighrbour 0 id:0xc0a80a01, ip: 192:168:10:1  neighrbour 1 id:0xc0a80a03, ip: 192:168:10:3  neighrbour 2 id:0xc0a80a04, ip: 192:168:10:4  memory total: 8388580, used:24192, maxused: 24328  STATION:C0A80A03, ExecuteFunctioncode : 3.  FreeTopologyMemory before memory total: 8388580, used:24304, maxused: 24328  FreeTopologyMemory after memory total: 8388580, used:24168, maxused: 24328  toplogy id: 0xc0a80a04, ip: 192:168:10:4  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a04 ip: 192:168:10:4  neighrbour num 3  neighrbour 0 id:0xc0a80a01, ip: 192:168:10:1  neighrbour 1 id:0xc0a80a02, ip: 192:168:10:2  neighrbour 2 id:0xc0a80a03, ip: 192:168:10:3  memory total: 8388580, used:24192, maxused: 24328  STATION:C0A80A04, ExecuteFunctioncode : 2.  STATION:C0A80A02, ExecuteFunctioncode : 3.  FreeTopologyMemory before memory total: 8388580, used:24304, maxused: 24328  FreeTopologyMemory after memory total: 8388580, used:24168, maxused: 24328  toplogy id: 0xc0a80a03, ip: 192:168:10:3  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a03 ip: 192:168:10:3  neighrbour num 3  neighrbour 0 id:0xc0a80a01, ip: 192:168:10:1  neighrbour 1 id:0xc0a80a02, ip: 192:168:10:2  neighrbour 2 id:0xc0a80a04, ip: 192:168:10:4  memory total: 8388580, used:24192, maxused: 24328  STATION:C0A80A02, ExecuteFunctioncode : 3.  FreeTopologyMemory before memory total: 8388580, used:24304, maxused: 24328  FreeTopologyMemory after memory total: 8388580, used:24168, maxused: 24328  toplogy id: 0xc0a80a01, ip: 192:168:10:1  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a01 ip: 192:168:10:1  neighrbour num 3  neighrbour 0 id:0xc0a80a02, ip: 192:168:10:2  neighrbour 1 id:0xc0a80a03, ip: 192:168:10:3  neighrbour 2 id:0xc0a80a04, ip: 192:168:10:4  memory total: 8388580, used:24192, maxused: 24328  STATION:C0A80A01, ExecuteFunctioncode : 3.  FreeTopologyMemory before memory total: 8388580, used:24304, maxused: 24328  FreeTopologyMemory after memory total: 8388580, used:24168, maxused: 24328  toplogy id: 0xc0a80a02, ip: 192:168:10:2  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a02 ip: 192:168:10:2  neighrbour num 3  neighrbour 0 id:0xc0a80a01, ip: 192:168:10:1  neighrbour 1 id:0xc0a80a03, ip: 192:168:10:3  neighrbour 2 id:0xc0a80a04, ip: 192:168:10:4  memory total: 8388580, used:24192, maxused: 24328  STATION:C0A80A01, ExecuteFunctioncode : 3.  FreeTopologyMemory before memory total: 8388580, used:24304, maxused: 24328  FreeTopologyMemory after memory total: 8388580, used:24168, maxused: 24328  toplogy id: 0xc0a80a03, ip: 192:168:10:3  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a03 ip: 192:168:10:3  neighrbour num 3  neighrbour 0 id:0xc0a80a01, ip: 192:168:10:1  neighrbour 1 id:0xc0a80a02, ip: 192:168:10:2  neighrbour 2 id:0xc0a80a04, ip: 192:168:10:4  memory total: 8388580, used:24192, maxused: 24328  STATION:C0A80A02, ExecuteFunctioncode : 3.  FreeTopologyMemory before memory total: 8388580, used:24304, maxused: 24328  FreeTopologyMemory after memory total: 8388580, used:24168, maxused: 24328  toplogy id: 0xc0a80a04, ip: 192:168:10:4  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a04 ip: 192:168:10:4  neighrbour num 3  neighrbour 0 id:0xc0a80a01, ip: 192:168:10:1  neighrbour 1 id:0xc0a80a02, ip: 192:168:10:2  neighrbour 2 id:0xc0a80a03, ip: 192:168:10:3  memory total: 8388580, used:24192, maxused: 24328  STATION:C0A80A01, ExecuteFunctioncode : 3.  FreeTopologyMemory before memory total: 8388580, used:24304, maxused: 24328  FreeTopologyMemory after memory total: 8388580, used:24168, maxused: 24328  toplogy id: 0xc0a80a02, ip: 192:168:10:2  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a02 ip: 192:168:10:2  neighrbour num 3  neighrbour 0 id:0xc0a80a01, ip: 192:168:10:1  neighrbour 1 id:0xc0a80a03, ip: 192:168:10:3  neighrbour 2 id:0xc0a80a04, ip: 192:168:10:4  memory total: 8388580, used:24192, maxused: 24328  STATION:C0A80A01, ExecuteFunctioncode : 3.  FreeTopologyMemory before memory total: 8388580, used:24304, maxused: 24328  FreeTopologyMemory after memory total: 8388580, used:24168, maxused: 24328  toplogy id: 0xc0a80a03, ip: 192:168:10:3  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a03 ip: 192:168:10:3  neighrbour num 3  neighrbour 0 id:0xc0a80a01, ip: 192:168:10:1  neighrbour 1 id:0xc0a80a02, ip: 192:168:10:2  neighrbour 2 id:0xc0a80a04, ip: 192:168:10:4  memory total: 8388580, used:24192, maxused: 24328  STATION:C0A80A01, ExecuteFunctioncode : 3.  FreeTopologyMemory before memory total: 8388580, used:24304, maxused: 24328  FreeTopologyMemory after memory total: 8388580, used:24168, maxused: 24328  toplogy id: 0xc0a80a04, ip: 192:168:10:4  toplogy type: 0x1  toplogy switch num: 0x1  switch 0 id:0xc0a80a04 ip: 192:168:10:4  neighrbour num 3  neighrbour 0 id:0xc0a80a01, ip: 192:168:10:1  neighrbour 1 id:0xc0a80a02, ip: 192:168:10:2  neighrbour 2 id:0xc0a80a03, ip: 192:168:10:3  memory total: 8388580, used:24192, maxused: 24328  STATION:C0A80A01, ExecuteFunctioncode : 3.  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