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case "Logical Topology Opaque":
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    for (Demand d : netPlan.getDemands(lowerLayer)) {  
  
        boolean odd=true;  
        int counter=0;  
  
        Set<Route> droutes = d.getRoutes();  
        System.out.println("droutes: " + droutes.size());  
  
        for(Route c: droutes) {  
            counter++;  
            boolean jump=false;  
  
            if(odd) {  
                c.setCarriedTraffic(d.getOfferedTraffic(), d.getOfferedTraffic());  
                save=c;  
                odd=false;  
                System.out.println("Roots");  
            }  
            else {  
                if (protection) {  
                    List<Link> workingpath = save.getSeqLinksRealPath();  
                    System.out.println("Protection");  
  
                    for(Link t:workingpath) {  
                        if(c.getSeqLinksRealPath().contains(t)) {  
                            jump=true;  
                            break;  
                        }  
                    }  
                }  
            }  
        }  
    }  
}
```