

```
for (long tNodeId : tNodeIdsTransl) {
    inTransl = netPlan.getNodeFromId(tNodeId);
    for (long tNodeId1 : tNodeIdsTransl) {

        if (tNodeId == tNodeId1)
            continue;

        outTransl = netPlan.getNodeFromId(tNodeId1);
        double totaltraffic = 0;

        groomRouteTransl = netPlan.getNodePairRoutes(inTransl, outTransl, false, lowerLayer);
        protectRoutesTransl = netPlan.getNodePairProtectionSegments(inTransl, outTransl, false, lowerLayer);

        for (Route c : groomRouteTransl) {
            if(c.getCarriedTraffic() <= c.getOccupiedCapacity()){
                compareTransl = c;
            }
        }

        pathTransl = compareTransl.getSeqLinksRealPath();

        for(Route c : groomRouteTransl){
            for (Link link : pathTransl){
                if(link.getUtilizationNotIncludingProtectionSegments() < 1){
                    totaltraffic = totaltraffic + c.getCarriedTraffic();
                    compareTransl2 = c;
                }
                else
                    compareTransl = c;
            }
        }

        pathTransl2 = compareTransl2.getSeqLinksRealPath();
    }
}
```