```
if (netPlan.isSingleLayer() && logicalTopology.equalsIgnoreCase("Translucent")) {

    int maximumOpticalReach = Integer.parseInt(algorithmParameters.get("maximumOpticalReach"));
    maxOpticalReach = maximumOpticalReach;

    sendToFile("opticalReach.txt");

    this.lowerLayer = netPlan.getNetworkLayerDefault();
    lowerLayer.setName("Physical Topology");
    this.upperLayer = netPlan.addLayer("Logical Topology Translucent","Upper layer of the design","ODU","ODU",null);
    upperLayer.setDescription("Translucent Logical Topology"+" - Maximum Optical Reach= "+maximumOpticalReach+" km");
    netPlan.removeAllLinks(upperLayer);

    for (Node i : netPlan.getNodes()) {
        for (Node j : netPlan.getNodes()) {
            if (i.getIndex() != j.getIndex()) {
                if (netPlan.getNodePairEuclideanDistance(i, j) <= maximumOpticalReach) {
                    netPlan.addLink(i, j, 0, netPlan.getNodePairEuclideanDistance(i, j), 200000, null, upperLayer);
                }
            }
        }
    }
}
```