| View/edit network state |  | Algorithm execution | View reports   |                          |  |
|-------------------------|--|---------------------|----------------|--------------------------|--|
| Algorithm               | C:\Users\Asus\Documents\algorithms\bin\grooming.class Load grooming  |                     |                |                          |  |
| Description             | Algorithm that creates routes and protection paths based on the shortestPath (hops or km) making sure they are bidirectional and according to the logical topology. Link capacity is based on the number of wavelengths necessary with a user defined wavelength traffic capacity. |                     |                |                          |  |
| Parameters              |  |                     |                |                          |  |
| Parameter               |  | Value               | Description    |                          |  |
| numberofroutes          |  | 10                  | Total number o | Total number of routes p |  |
| protection              |  | no                  | 1+1 protection | 1+1 protection (yes/no). |  |
| shortestPathType        |  | hops                | Each demand i  | Each demand is routed ac |  |
| wavelengthCapacity      |  | 100                 | Capacity per w | Capacity per wavelength. |  |