|  |  |  |  |
| --- | --- | --- | --- |
| Generator | Node | Gen\_Cap | Gen\_costs |
| G1 | N1 | 350 | 15 |
| G2 | N2 | 450 | 20 |
| G3 | N3 | 300 | 22 |

|  |  |  |  |
| --- | --- | --- | --- |
| Demand | Node | Need | Cost\_LS |
| D1 | N1 | 200 | 70 |
| D2 | N4 | 200 | 55 |
| D3 | N5 | 250 | 45 |
| D4 | N2 | 150 | 60 |
| D5 | N5 | 200 | 65 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Existing lines | | | | |
| Line | From node | To node | B [S] | L\_cap |
| L1 | N1 | N4 | 500 | 150 |
| L2 | N2 | N5 | 500 | 150 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Prospective lines | | | | | |
| Line | From node | To node | B | L\_cap | I\_cost |
| L3 | N3 | N2 | 500 | 100 | 500.000 |
| L4 | N5 | N3 | 500 | 150 | 700.000 |
| L5 | N3 | N4 | 500 | 100 | 300.000 |
| L6 | N4 | N5 | 500 | 50 | 100.000 |
| L7 | N1 | N5 | 500 | 175 | 1.000.000 |
| L8 | N2 | N1 | 500 | 200 | 1.300.000 |

L8

L7

L6

N5

N4

N3

N2

N1

L5

L4

L3

D3

L2

L1

D4

D5

D2

D1