|  |  |  |
| --- | --- | --- |
| Node | Node Type | Parameter |
| 9 | DG |  |
| 15 | Charging station |  |
| 18 | DG |  |
| 20 | Charging station |  |
| 29 | DG |  |

Node 1 has no load.

Node importance and load

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Node | ) |  | Node | ) |  |
| 2 | 2 | 100 | 18 | 8 | 90 |
| 3 | 2 | 90 | 19 | 3 | 90 |
| 4 | 8 | 120 | 20 | 4 | 90 |
| 5 | 7 | 70 | 21 | 7 | 90 |
| 6 | 5 | 60 | 22 | 8 | 90 |
| 7 | 3 | 200 | 23 | 2 | 90 |
| 8 | 2 | 200 | 24 | 5 | 420 |
| 9 | 2 | 60 | 25 | 5 | 420 |
| 10 | 1 | 60 | 26 | 2 | 60 |
| 11 | 12 | 45 | 27 | 8 | 60 |
| 12 | 3 | 60 | 28 | 4 | 60 |
| 13 | 5 | 60 | 29 | 6 | 120 |
| 14 | 6 | 120 | 30 | 6 | 200 |
| 15 | 9 | 60 | 31 | 6 | 150 |
| 16 | 9 | 60 | 32 | 9 | 210 |
| 17 | 1 | 60 | 33 | 7 | 60 |

The cost function of DGs is ，

The cost function of Ebs is 。