|  |  |  |
| --- | --- | --- |
| Total production of synchronous machines: | MW | 1206.89 |
| Total production of wind power plants: | MW | 2500-271.27=2228.73 |
| Synchronous condensers: | 0/1 | all turned on |
| RoCof: | Hz/sec | 0.62 |
| Nadir: | Hz | 0.32 |
| Normalized optimal values of the inputs to the ANN: |  | 0.0725  0.8914  1.0  1.0  1.0  0.0 |

Rocof: 1.28

Nadir: 0.666

|  |  |  |
| --- | --- | --- |
| Total production of synchronous machines: | MW | 1206.89 |
| Total production of wind power plants: | MW | 2500-271.27=2228.73 |
| Synchronous condensers: | 0/1 | all turned on |
| RoCof: (Without optimization: 1.28) | Hz/sec | 0.62 |
| Nadir: (Without optimization: 0.666) | Hz | 0.32 |
| Normalized optimal values of the inputs to the ANN: | Input Var 1  Input Var 2  Input Var 3  Input Var 4  Input Var 5  Input Var 6 | 0.0725  0.8914  1.0  1.0  1.0  0.0 |