**MPL**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NEURÔNIOS | MSE | ERROS |  |  |
| 1 | 0.0705937829921329 | 3 |  |  |
| 3 | 0.0630764717369302 | 2 |  |  |
| 5 | 0.0157501702325207 | 1 |  |  |
| 10 | 0.0779010995153948 | 1 |  |  |
| 20 | 0.0883763713087734 | 2 |  |  |
| 40 | 0.155451160809213 | 6 |  |  |
| 80 | 0.158974910948916 | 5 |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**Autoassociativas**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PADRÕES DE TREINO | MSE | | | CLASSIFICAÇÃO |
|  | REDE 1 | REDE 2 | REDE 3 |  |
| 1 | 6.60292396779971e-08 | 0.0958371205953124 | 0.0134150732897614 | 1 |
| 2 | 7.58247147586759e-07 | 0.0495190164758154 | 0.00766486213709732 | 1 |
| 3 | 4.94050506545445e-07 | 0.0874386820482848 | 0.0142997898733557 | 1 |
| 4 | 5.99587099575690e-07 | 0.114712329144275 | 0.0105188430817559 | 1 |
| 5 | 3.16607260340442e-08 | 0.138136774375274 | 0.00884181557515217 | 1 |
| 6 | 6.08930675388093e-08 | 0.0678545393211834 | 0.00273821100836819 | 1 |
| 7 | 2.74502001803296e-07 | 0.0784445339952480 | 0.00354607481643750 | 1 |
| 8 | 1.86641615474029e-07 | 0.0899514023427892 | 0.00305365011616775 | 1 |
| 9 | 1.43469279408698e-08 | 0.0841765470092195 | 0.00962594597290070 | 1 |
| 10 | 3.80498275809217e-07 | 0.114601566653955 | 0.0108225029927461 | 1 |
| 11 | 1.06353180555633e-05 | 5.43441963660402e-20 | 0.00415694244499622 | 2 |
| 12 | 0.000119212855199903 | 3.92428553717383e-21 | 0.0259780566674549 | 2 |
| 13 | 3.54715206329793e-05 | 2.47842523190781e-20 | 0.00806932654081707 | 2 |
| 14 | 3.72510289914943e-05 | 1.54520440940122e-21 | 0.00489388848709250 | 2 |
| 15 | 1.34307816927628e-05 | 2.79500043949253e-21 | 0.0135081366580085 | 2 |
| 16 | 2.23670537566219e-06 | 2.12228010498292e-20 | 0.00712071139485366 | 2 |
| 17 | 1.99867876444444e-05 | 4.75943943493243e-20 | 0.00441731214181702 | 2 |
| 18 | 1.33272722120667e-05 | 2.05767560347368e-20 | 0.00883049154107801 | 2 |
| 19 | 3.22691218367039e-06 | 3.47679676116251e-20 | 0.00977036961339215 | 2 |
| 20 | 2.91266462945434e-05 | 7.77477020123577e-20 | 0.00126350948013724 | 2 |
| 21 | 0.000236350835052171 | 0.0574168882734139 | 4.27451782956346e-05 | 3 |
| 22 | 0.000244573627439381 | 0.0687395696135996 | 1.92683511935236e-06 | 3 |
| 23 | 0.000260097473655929 | 0.00985271529036718 | 7.30583876195138e-06 | 3 |
| 24 | 0.00140549923723712 | 0.0509122142197638 | 1.44112646490042e-06 | 3 |
| 25 | 0.000815229797239628 | 0.0742029586234465 | 1.73202717738269e-05 | 3 |
| 26 | 0.00138559255715741 | 0.0402062983608308 | 7.60572316048122e-06 | 3 |
| 27 | 0.000414699131363610 | 0.0430579210370257 | 1.17702431860420e-06 | 3 |
| 28 | 0.00124002240083262 | 0.0408088794435593 | 2.47152783727474e-05 | 3 |
| 29 | 0.000743807077354335 | 0.0378334346859742 | 1.03633258354363e-06 | 3 |
| 30 | 0.00146639147662870 | 0.0785772521774610 | 3.14909276051772e-06 | 3 |

**Autoassociativas X MPL**

|  |  |  |
| --- | --- | --- |
| ARQUITETURA | MSE |  |
| MPL | 0.07009 |  |
| Autoassociativa | 0.04701 |  |