Appendice C - Dati completi dell'analisi delle transizioni di fase

9 giugno 2020

**Risultati relativi alla rete 1: da sinistra a destra le colonne rappresen-
tano temperatura, numero di neuroni inattivi, percentuale di neuroni
inattivi, numero di neuroni attivi, percentuale di neuroni attivi**

```
0.050000 223 0.991111 2 0.008889
0.100000 223 0.991111 2 0.008889
0.150000 223 0.991111 2 0.008889
0.200000 223 0.991111 2 0.008889
0.250000 223 0.991111 2 0.008889
0.300000 223 0.991111 2 0.008889
0.350000 223 0.991111 2 0.008889
0.400000 223 0.991111 2 0.008889
0.450000 223 0.991111 2 0.008889
0.500000 223 0.991111 2 0.008889
0.550000 223 0.991111 2 0.008889
0.600000 223 0.991111 2 0.008889
0.650000 222 0.986667 3 0.013333
0.700000 223 0.991111 2 0.008889
0.750000 223 0.991111 2 0.008889
0.800000 223 0.991111 2 0.008889
0.850000 223 0.991111 2 0.008889
0.900000 223 0.991111 2 0.008889
0.950000 223 0.991111 2 0.008889
1.000000 223 0.991111 2 0.008889
1.050000 223 0.991111 2 0.008889
1.100000 222 0.986667 3 0.013333
1.150000 223 0.991111 2 0.008889
1.200000 222 0.986667 3 0.013333
1.250000 221 0.982222 4 0.017778
1.300000 222 0.986667 3 0.013333
1.350000 222 0.986667 3 0.013333
1.400000 222 0.986667 3 0.013333
1.450000 222 0.986667 3 0.013333
1.500000 222 0.986667 3 0.013333
1.550000 221 0.982222 4 0.017778
1.600000 222 0.986667 3 0.013333
1.650000 221 0.982222 4 0.017778
1.700000 221 0.982222 4 0.017778
1.750000 220 0.977778 5 0.022222
1.800000 220 0.977778 5 0.022222
1.850000 218 0.968889 7 0.031111
1.900000 217 0.964444 8 0.035556
1.950000 212 0.942222 13 0.057778
2.000000 216 0.960000 9 0.040000
2.050000 210 0.933333 15 0.066667
2.100000 207 0.920000 18 0.080000
```

```
2.150000 200 0.888889 25 0.111111
2.200000 195 0.866667 30 0.133333
2.210000 199 0.884444 26 0.115556
2.220000 189 0.840000 36 0.160000
2.230000 190 0.844444 35 0.155556
2.240000 181 0.804444 44 0.195556
2.250000 183 0.813333 42 0.186667
2.260000 179 0.795556 46 0.204444
2.268000 179 0.795556 46 0.204444
2.269000 180 0.800000 45 0.200000
2.270000 183 0.813333 42 0.186667
2.271000 177 0.786667 48 0.213333
2.280000 176 0.782222 49 0.217778
2.290000 166 0.737778 59 0.262222
2.300000 166 0.737778 59 0.262222
2.310000 162 0.720000 63 0.280000
2.350000 152 0.675556 73 0.324444
2.400000 145 0.644444 80 0.355556
2.450000 144 0.640000 81 0.360000
2.500000 149 0.662222 76 0.337778
2.550000 149 0.662222 76 0.337778
2.600000 150 0.666667 75 0.333333
2.650000 150 0.666667 75 0.333333
2.700000 148 0.657778 77 0.342222
2.750000 150 0.666667 75 0.333333
2.800000 158 0.702222 67 0.297778
2.850000 154 0.684444 71 0.315556
2.900000 161 0.715556 64 0.284444
2.950000 165 0.733333 60 0.266667
3.000000 162 0.720000 63 0.280000
3.050000 165 0.733333 60 0.266667
3.100000 163 0.724444 62 0.275556
3.150000 171 0.760000 54 0.240000
3.200000 167 0.742222 58 0.257778
3.250000 166 0.737778 59 0.262222
3.300000 170 0.755556 55 0.244444
3.350000 169 0.751111 56 0.248889
3.400000 169 0.751111 56 0.248889
3.450000 168 0.746667 57 0.253333
3.500000 167 0.742222 58 0.257778
3.550000 171 0.760000 54 0.240000
3.600000 172 0.764444 53 0.235556
3.650000 168 0.746667 57 0.253333
3.700000 174 0.773333 51 0.226667
3.750000 167 0.742222 58 0.257778
3.800000 174 0.773333 51 0.226667
```

```
3.850000 171 0.760000 54 0.240000
3.900000 173 0.768889 52 0.231111
3.950000 173 0.768889 52 0.231111
4.000000 176 0.782222 49 0.217778
4.050000 171 0.760000 54 0.240000
4.100000 172 0.764444 53 0.235556
4.150000 177 0.786667 48 0.213333
4.200000 172 0.764444 53 0.235556
4.250000 179 0.795556 46 0.204444
4.300000 172 0.764444 53 0.235556
4.350000 173 0.768889 52 0.231111
4.400000 176 0.782222 49 0.217778
4.450000 174 0.773333 51 0.226667
4.500000 176 0.782222 49 0.217778
4.550000 176 0.782222 49 0.217778
4.600000 176 0.782222 49 0.217778
4.650000 174 0.773333 51 0.226667
4.700000 173 0.768889 52 0.231111
4.750000 178 0.791111 47 0.208889
4.800000 180 0.800000 45 0.200000
4.850000 174 0.773333 51 0.226667
4.900000 176 0.782222 49 0.217778
4.950000 178 0.791111 47 0.208889
5.000000 178 0.791111 47 0.208889
5.100000 175 0.777778 50 0.222222
5.200000 179 0.795556 46 0.204444
5.300000 176 0.782222 49 0.217778
5.400000 179 0.795556 46 0.204444
5.500000 182 0.808889 43 0.191111
5.600000 182 0.808889 43 0.191111
5.700000 180 0.800000 45 0.200000
5.800000 182 0.808889 43 0.191111
5.900000 187 0.831111 38 0.168889
6.000000 186 0.826667 39 0.173333
6.100000 181 0.804444 44 0.195556
6.200000 183 0.813333 42 0.186667
6.300000 181 0.804444 44 0.195556
6.400000 179 0.795556 46 0.204444
6.500000 182 0.808889 43 0.191111
6.600000 179 0.795556 46 0.204444
6.700000 181 0.804444 44 0.195556
6.800000 185 0.822222 40 0.177778
6.900000 181 0.804444 44 0.195556
7.000000 185 0.822222 40 0.177778
7.100000 179 0.795556 46 0.204444
7.200000 187 0.831111 38 0.168889
```

```
7.300000 184 0.817778 41 0.182222
7.400000 181 0.804444 44 0.195556
7.500000 180 0.800000 45 0.200000
7.600000 182 0.808889 43 0.191111
7.700000 181 0.804444 44 0.195556
7.800000 179 0.795556 46 0.204444
7.900000 184 0.817778 41 0.182222
8.000000 184 0.817778 41 0.182222
```

Risultati relativi alla rete 2: da sinistra a destra le colonne rappresentano temperatura, numero di neuroni inattivi, percentuale di neuroni inattivi, numero di neuroni attivi, percentuale di neuroni attivi

```
0.050000 223 0.991111 2 0.008889
0.100000 223 0.991111 2 0.008889
0.150000 223 0.991111 2 0.008889
0.200000 223 0.991111 2 0.008889
0.250000 223 0.991111 2 0.008889
0.300000 223 0.991111 2 0.008889
0.350000 223 0.991111 2 0.008889
0.400000 223 0.991111 2 0.008889
0.450000 223 0.991111 2 0.008889
0.500000 223 0.991111 2 0.008889
0.550000 223 0.991111 2 0.008889
0.600000 223 0.991111 2 0.008889
0.650000 222 0.986667 3 0.013333
0.700000 223 0.991111 2 0.008889
0.750000 223 0.991111 2 0.008889
0.800000 223 0.991111 2 0.008889
0.850000 223 0.991111 2 0.008889
0.900000 222 0.986667 3 0.013333
0.950000 221 0.982222 4 0.017778
1.000000 220 0.977778 5 0.022222
1.050000 223 0.991111 2 0.008889
1.100000 221 0.982222 4 0.017778
1.150000 221 0.982222 4 0.017778
1.200000 220 0.977778 5 0.022222
1.250000 218 0.968889 7 0.031111
1.300000 219 0.973333 6 0.026667
1.350000 217 0.964444 8 0.035556
1.400000 220 0.977778 5 0.022222
1.450000 213 0.946667 12 0.053333
1.500000 214 0.951111 11 0.048889
1.550000 209 0.928889 16 0.071111
1.600000 210 0.933333 15 0.066667
1.650000 206 0.915556 19 0.084444
```

```
1.700000 206 0.915556 19 0.084444
1.750000 204 0.906667 21 0.093333
1.800000 198 0.880000 27 0.120000
1.850000 202 0.897778 23 0.102222
1.900000 193 0.857778 32 0.142222
1.950000 190 0.844444 35 0.155556
2.000000 193 0.857778 32 0.142222
2.050000 189 0.840000 36 0.160000
2.100000 187 0.831111 38 0.168889
2.150000 180 0.800000 45 0.200000
2.200000 173 0.768889 52 0.231111
2.210000 177 0.786667 48 0.213333
2.220000 167 0.742222 58 0.257778
2.230000 165 0.733333 60 0.266667
2.240000 165 0.733333 60 0.266667
2.250000 162 0.720000 63 0.280000
2.260000 161 0.715556 64 0.284444
2.268000 150 0.666667 75 0.333333
2.269000 153 0.680000 72 0.320000
2.270000 156 0.693333 69 0.306667
2.271000 154 0.684444 71 0.315556
2.280000 153 0.680000 72 0.320000
2.290000 143 0.635556 82 0.364444
2.300000 141 0.626667 84 0.373333
2.310000 137 0.608889 88 0.391111
2.350000 115 0.511111 110 0.488889
2.400000 111 0.493333 114 0.506667
2.450000 98 0.435556 127 0.564444
2.500000 99 0.440000 126 0.560000
2.550000 104 0.462222 121 0.537778
2.600000 93 0.413333 132 0.586667
2.650000 105 0.466667 120 0.533333
2.700000 106 0.471111 119 0.528889
2.750000 92 0.408889 133 0.591111
2.800000 98 0.435556 127 0.564444
2.850000 106 0.471111 119 0.528889
2.900000 100 0.444444 125 0.555556
2.950000 105 0.466667 120 0.533333
3.000000 103 0.457778 122 0.542222
3.050000 102 0.453333 123 0.546667
3.100000 109 0.484444 116 0.515556
3.150000 101 0.448889 124 0.551111
3.200000 101 0.448889 124 0.551111
3.250000 114 0.506667 111 0.493333
3.300000 105 0.466667 120 0.533333
3.350000 102 0.453333 123 0.546667
```

```
3.400000 104 0.462222 121 0.537778
3.450000 117 0.520000 108 0.480000
3.500000 114 0.506667 111 0.493333
3.550000 101 0.448889 124 0.551111
3.600000 114 0.506667 111 0.493333
3.650000 105 0.466667 120 0.533333
3.700000 114 0.506667 111 0.493333
3.750000 115 0.511111 110 0.488889
3.800000 106 0.471111 119 0.528889
3.850000 108 0.480000 117 0.520000
3.900000 109 0.484444 116 0.515556
3.950000 114 0.506667 111 0.493333
4.000000 113 0.502222 112 0.497778
4.050000 117 0.520000 108 0.480000
4.100000 116 0.515556 109 0.484444
4.150000 119 0.528889 106 0.471111
4.200000 116 0.515556 109 0.484444
4.250000 118 0.524444 107 0.475556
4.300000 110 0.488889 115 0.511111
4.350000 119 0.528889 106 0.471111
4.400000 122 0.542222 103 0.457778
4.450000 110 0.488889 115 0.511111
4.500000 117 0.520000 108 0.480000
4.550000 114 0.506667 111 0.493333
4.600000 114 0.506667 111 0.493333
4.650000 115 0.511111 110 0.488889
4.700000 117 0.520000 108 0.480000
4.750000 123 0.546667 102 0.453333
4.800000 116 0.515556 109 0.484444
4.850000 114 0.506667 111 0.493333
4.900000 120 0.533333 105 0.466667
4.950000 121 0.537778 104 0.462222
5.000000 122 0.542222 103 0.457778
5.100000 120 0.533333 105 0.466667
5.200000 118 0.524444 107 0.475556
5.300000 125 0.555556 100 0.444444
5.400000 120 0.533333 105 0.466667
5.500000 112 0.497778 113 0.502222
5.600000 123 0.546667 102 0.453333
5.700000 116 0.515556 109 0.484444
5.800000 122 0.542222 103 0.457778
5.900000 125 0.555556 100 0.444444
6.000000 119 0.528889 106 0.471111
6.100000 126 0.560000 99 0.440000
6.200000 132 0.586667 93 0.413333
6.300000 126 0.560000 99 0.440000
```

```
6.400000 123 0.546667 102 0.453333
6.500000 124 0.551111 101 0.448889
6.600000 123 0.546667 102 0.453333
6.700000 121 0.537778 104 0.462222
6.800000 123 0.546667 102 0.453333
6.900000 123 0.546667 102 0.453333
7.000000 129 0.573333 96 0.426667
7.100000 130 0.577778 95 0.422222
7.200000 122 0.542222 103 0.457778
7.300000 127 0.564444 98 0.435556
7.400000 128 0.568889 97 0.431111
7.500000 127 0.564444 98 0.435556
7.600000 132 0.586667 93 0.413333
7.700000 131 0.582222 94 0.417778
7.800000 124 0.551111 101 0.448889
7.900000 114 0.506667 111 0.493333
8.000000 125 0.555556 100 0.444444
```

Risultati relativi alla rete 3: da sinistra a destra le colonne rappresentano temperatura, numero di neuroni inattivi, percentuale di neuroni inattivi, numero di neuroni attivi, percentuale di neuroni attivi

```
0.050000 223 0.991111 2 0.008889
0.100000 223 0.991111 2 0.008889
0.150000 223 0.991111 2 0.008889
0.200000 223 0.991111 2 0.008889
0.250000 223 0.991111 2 0.008889
0.300000 223 0.991111 2 0.008889
0.350000 223 0.991111 2 0.008889
0.400000 223 0.991111 2 0.008889
0.450000 223 0.991111 2 0.008889
0.500000 223 0.991111 2 0.008889
0.550000 223 0.991111 2 0.008889
0.600000 223 0.991111 2 0.008889
0.650000 223 0.991111 2 0.008889
0.700000 223 0.991111 2 0.008889
0.750000 223 0.991111 2 0.008889
0.800000 223 0.991111 2 0.008889
0.850000 223 0.991111 2 0.008889
0.900000 223 0.991111 2 0.008889
0.950000 223 0.991111 2 0.008889
1.000000 223 0.991111 2 0.008889
1.050000 223 0.991111 2 0.008889
1.100000 223 0.991111 2 0.008889
1.150000 223 0.991111 2 0.008889
1.200000 223 0.991111 2 0.008889
```

```
1.250000 223 0.991111 2 0.008889
1.300000 223 0.991111 2 0.008889
1.350000 223 0.991111 2 0.008889
1.400000 223 0.991111 2 0.008889
1.450000 223 0.991111 2 0.008889
1.500000 223 0.991111 2 0.008889
1.550000 223 0.991111 2 0.008889
1.600000 223 0.991111 2 0.008889
1.650000 223 0.991111 2 0.008889
1.700000 223 0.991111 2 0.008889
1.750000 223 0.991111 2 0.008889
1.800000 223 0.991111 2 0.008889
1.850000 222 0.986667 3 0.013333
1.900000 222 0.986667 3 0.013333
1.950000 221 0.982222 4 0.017778
2.000000 222 0.986667 3 0.013333
2.050000 218 0.968889 7 0.031111
2.100000 217 0.964444 8 0.035556
2.150000 209 0.928889 16 0.071111
2.200000 201 0.893333 24 0.106667
2.210000 202 0.897778 23 0.102222
2.220000 192 0.853333 33 0.146667
2.230000 191 0.848889 34 0.151111
2.240000 181 0.804444 44 0.195556
2.250000 182 0.808889 43 0.191111
2.260000 179 0.795556 46 0.204444
2.268000 173 0.768889 52 0.231111
2.269000 172 0.764444 53 0.235556
2.270000 169 0.751111 56 0.248889
2.271000 172 0.764444 53 0.235556
2.280000 162 0.720000 63 0.280000
2.290000 156 0.693333 69 0.306667
2.300000 150 0.666667 75 0.333333
2.310000 153 0.680000 72 0.320000
2.350000 133 0.591111 92 0.408889
2.400000 121 0.537778 104 0.462222
2.450000 119 0.528889 106 0.471111
2.500000 109 0.484444 116 0.515556
2.550000 117 0.520000 108 0.480000
2.600000 132 0.586667 93 0.413333
2.650000 133 0.591111 92 0.408889
2.700000 132 0.586667 93 0.413333
2.750000 141 0.626667 84 0.373333
2.800000 134 0.595556 91 0.404444
2.850000 145 0.644444 80 0.355556
2.900000 155 0.688889 70 0.311111
```

```
2.950000 147 0.653333 78 0.346667
3.000000 163 0.724444 62 0.275556
3.050000 166 0.737778 59 0.262222
3.100000 169 0.751111 56 0.248889
3.150000 162 0.720000 63 0.280000
3.200000 154 0.684444 71 0.315556
3.250000 163 0.724444 62 0.275556
3.300000 165 0.733333 60 0.266667
3.350000 170 0.755556 55 0.244444
3.400000 168 0.746667 57 0.253333
3.450000 170 0.755556 55 0.244444
3.500000 172 0.764444 53 0.235556
3.550000 172 0.764444 53 0.235556
3.600000 172 0.764444 53 0.235556
3.650000 181 0.804444 44 0.195556
3.700000 173 0.768889 52 0.231111
3.750000 174 0.773333 51 0.226667
3.800000 171 0.760000 54 0.240000
3.850000 178 0.791111 47 0.208889
3.900000 174 0.773333 51 0.226667
3.950000 180 0.800000 45 0.200000
4.000000 177 0.786667 48 0.213333
4.050000 182 0.808889 43 0.191111
4.100000 174 0.773333 51 0.226667
4.150000 177 0.786667 48 0.213333
4.200000 176 0.782222 49 0.217778
4.250000 179 0.795556 46 0.204444
4.300000 182 0.808889 43 0.191111
4.350000 176 0.782222 49 0.217778
4.400000 182 0.808889 43 0.191111
4.450000 182 0.808889 43 0.191111
4.500000 179 0.795556 46 0.204444
4.550000 185 0.822222 40 0.177778
4.600000 178 0.791111 47 0.208889
4.650000 181 0.804444 44 0.195556
4.700000 185 0.822222 40 0.177778
4.750000 188 0.835556 37 0.164444
4.800000 180 0.800000 45 0.200000
4.850000 184 0.817778 41 0.182222
4.900000 188 0.835556 37 0.164444
4.950000 181 0.804444 44 0.195556
5.000000 180 0.800000 45 0.200000
5.100000 184 0.817778 41 0.182222
5.200000 185 0.822222 40 0.177778
5.300000 188 0.835556 37 0.164444
5.400000 183 0.813333 42 0.186667
```

```
5.500000 188 0.835556 37 0.164444
5.600000 190 0.844444 35 0.155556
5.700000 190 0.844444 35 0.155556
5.800000 188 0.835556 37 0.164444
5.900000 187 0.831111 38 0.168889
6.000000 186 0.826667 39 0.173333
6.100000 189 0.840000 36 0.160000
6.200000 194 0.862222 31 0.137778
6.300000 193 0.857778 32 0.142222
6.400000 193 0.857778 32 0.142222
6.500000 195 0.866667 30 0.133333
6.600000 193 0.857778 32 0.142222
6.700000 192 0.853333 33 0.146667
6.800000 181 0.804444 44 0.195556
6.900000 186 0.826667 39 0.173333
7.000000 190 0.844444 35 0.155556
7.100000 194 0.862222 31 0.137778
7.200000 194 0.862222 31 0.137778
7.300000 193 0.857778 32 0.142222
7.400000 189 0.840000 36 0.160000
7.500000 190 0.844444 35 0.155556
7.600000 196 0.871111 29 0.128889
7.700000 193 0.857778 32 0.142222
7.800000 190 0.844444 35 0.155556
7.900000 192 0.853333 33 0.146667
8.000000 190 0.844444 35 0.155556
```

Risultati relativi alla rete 4: da sinistra a destra le colonne rappresentano temperatura, numero di neuroni inattivi, percentuale di neuroni inattivi, numero di neuroni attivi, percentuale di neuroni attivi

```
0.050000 223 0.991111 2 0.008889
0.100000 223 0.991111 2 0.008889
0.150000 223 0.991111 2 0.008889
0.200000 223 0.991111 2 0.008889
0.250000 223 0.991111 2 0.008889
0.300000 223 0.991111 2 0.008889
0.350000 223 0.991111 2 0.008889
0.400000 223 0.991111 2 0.008889
0.450000 223 0.991111 2 0.008889
0.500000 223 0.991111 2 0.008889
0.550000 223 0.991111 2 0.008889
0.600000 223 0.991111 2 0.008889
0.650000 222 0.986667 3 0.013333
0.700000 223 0.991111 2 0.008889
0.750000 223 0.991111 2 0.008889
```

```
0.800000 223 0.991111 2 0.008889
0.850000 223 0.991111 2 0.008889
0.900000 223 0.991111 2 0.008889
0.950000 223 0.991111 2 0.008889
1.000000 223 0.991111 2 0.008889
1.050000 221 0.982222 4 0.017778
1.100000 222 0.986667 3 0.013333
1.150000 220 0.977778 5 0.022222
1.200000 220 0.977778 5 0.022222
1.250000 220 0.977778 5 0.022222
1.300000 220 0.977778 5 0.022222
1.350000 219 0.973333 6 0.026667
1.400000 219 0.973333 6 0.026667
1.450000 218 0.968889 7 0.031111
1.500000 219 0.973333 6 0.026667
1.550000 218 0.968889 7 0.031111
1.600000 217 0.964444 8 0.035556
1.650000 215 0.955556 10 0.044444
1.700000 215 0.955556 10 0.044444
1.750000 212 0.942222 13 0.057778
1.800000 209 0.928889 16 0.071111
1.850000 206 0.915556 19 0.084444
1.900000 200 0.888889 25 0.111111
1.950000 197 0.875556 28 0.124444
2.000000 198 0.880000 27 0.120000
2.050000 184 0.817778 41 0.182222
2.100000 187 0.831111 38 0.168889
2.150000 170 0.755556 55 0.244444
2.200000 165 0.733333 60 0.266667
2.210000 168 0.746667 57 0.253333
2.220000 156 0.693333 69 0.306667
2.230000 156 0.693333 69 0.306667
2.240000 147 0.653333 78 0.346667
2.250000 156 0.693333 69 0.306667
2.260000 146 0.648889 79 0.351111
2.268000 145 0.644444 80 0.355556
2.269000 137 0.608889 88 0.391111
2.270000 150 0.666667 75 0.333333
2.271000 146 0.648889 79 0.351111
2.280000 139 0.617778 86 0.382222
2.290000 132 0.586667 93 0.413333
2.300000 129 0.573333 96 0.426667
2.310000 127 0.564444 98 0.435556
2.350000 105 0.466667 120 0.533333
2.400000 105 0.466667 120 0.533333
2.450000 94 0.417778 131 0.582222
```

```
2.500000 98 0.435556 127 0.564444
2.550000 105 0.466667 120 0.533333
2.600000 103 0.457778 122 0.542222
2.650000 104 0.462222 121 0.537778
2.700000 101 0.448889 124 0.551111
2.750000 104 0.462222 121 0.537778
2.800000 109 0.484444 116 0.515556
2.850000 118 0.524444 107 0.475556
2.900000 111 0.493333 114 0.506667
2.950000 112 0.497778 113 0.502222
3.000000 119 0.528889 106 0.471111
3.050000 117 0.520000 108 0.480000
3.100000 114 0.506667 111 0.493333
3.150000 116 0.515556 109 0.484444
3.200000 121 0.537778 104 0.462222
3.250000 114 0.506667 111 0.493333
3.300000 117 0.520000 108 0.480000
3.350000 124 0.551111 101 0.448889
3.400000 122 0.542222 103 0.457778
3.450000 121 0.537778 104 0.462222
3.500000 124 0.551111 101 0.448889
3.550000 124 0.551111 101 0.448889
3.600000 126 0.560000 99 0.440000
3.650000 132 0.586667 93 0.413333
3.700000 127 0.564444 98 0.435556
3.750000 117 0.520000 108 0.480000
3.800000 124 0.551111 101 0.448889
3.850000 131 0.582222 94 0.417778
3.900000 129 0.573333 96 0.426667
3.950000 129 0.573333 96 0.426667
4.000000 130 0.577778 95 0.422222
4.050000 136 0.604444 89 0.395556
4.100000 130 0.577778 95 0.422222
4.150000 127 0.564444 98 0.435556
4.200000 134 0.595556 91 0.404444
4.250000 136 0.604444 89 0.395556
4.300000 136 0.604444 89 0.395556
4.350000 139 0.617778 86 0.382222
4.400000 134 0.595556 91 0.404444
4.450000 127 0.564444 98 0.435556
4.500000 136 0.604444 89 0.395556
4.550000 126 0.560000 99 0.440000
4.600000 138 0.613333 87 0.386667
4.650000 135 0.600000 90 0.400000
4.700000 135 0.600000 90 0.400000
4.750000 139 0.617778 86 0.382222
```

```
4.800000 134 0.595556 91 0.404444
4.850000 139 0.617778 86 0.382222
4.900000 134 0.595556 91 0.404444
4.950000 140 0.622222 85 0.377778
5.000000 133 0.591111 92 0.408889
5.100000 138 0.613333 87 0.386667
5.200000 142 0.631111 83 0.368889
5.300000 136 0.604444 89 0.395556
5.400000 140 0.622222 85 0.377778
5.500000 142 0.631111 83 0.368889
5.600000 141 0.626667 84 0.373333
5.700000 141 0.626667 84 0.373333
5.800000 138 0.613333 87 0.386667
5.900000 145 0.644444 80 0.355556
6.000000 147 0.653333 78 0.346667
6.100000 142 0.631111 83 0.368889
6.200000 151 0.671111 74 0.328889
6.300000 142 0.631111 83 0.368889
6.400000 148 0.657778 77 0.342222
6.500000 144 0.640000 81 0.360000
6.600000 145 0.644444 80 0.355556
6.700000 147 0.653333 78 0.346667
6.800000 149 0.662222 76 0.337778
6.900000 155 0.688889 70 0.311111
7.000000 146 0.648889 79 0.351111
7.100000 145 0.644444 80 0.355556
7.200000 147 0.653333 78 0.346667
7.300000 138 0.613333 87 0.386667
7.400000 148 0.657778 77 0.342222
7.500000 147 0.653333 78 0.346667
7.600000 146 0.648889 79 0.351111
7.700000 150 0.666667 75 0.333333
7.800000 150 0.666667 75 0.333333
7.900000 142 0.631111 83 0.368889
8.000000 145 0.644444 80 0.355556
```

Risultati relativi alla rete 5: da sinistra a destra le colonne rappresentano temperatura, numero di neuroni inattivi, percentuale di neuroni inattivi, numero di neuroni attivi, percentuale di neuroni attivi

```
0.050000 223 0.991111 2 0.008889
0.100000 223 0.991111 2 0.008889
0.150000 223 0.991111 2 0.008889
0.200000 223 0.991111 2 0.008889
0.250000 223 0.991111 2 0.008889
0.300000 223 0.991111 2 0.008889
```

```
0.350000 223 0.991111 2 0.008889
0.400000 223 0.991111 2 0.008889
0.450000 223 0.991111 2 0.008889
0.500000 223 0.991111 2 0.008889
0.550000 223 0.991111 2 0.008889
0.600000 223 0.991111 2 0.008889
0.650000 222 0.986667 3 0.013333
0.700000 223 0.991111 2 0.008889
0.750000 222 0.986667 3 0.013333
0.800000 223 0.991111 2 0.008889
0.850000 222 0.986667 3 0.013333
0.900000 222 0.986667 3 0.013333
0.950000 222 0.986667 3 0.013333
1.000000 222 0.986667 3 0.013333
1.050000 222 0.986667 3 0.013333
1.100000 222 0.986667 3 0.013333
1.150000 222 0.986667 3 0.013333
1.200000 222 0.986667 3 0.013333
1.250000 222 0.986667 3 0.013333
1.300000 221 0.982222 4 0.017778
1.350000 221 0.982222 4 0.017778
1.400000 221 0.982222 4 0.017778
1.450000 221 0.982222 4 0.017778
1.500000 221 0.982222 4 0.017778
1.550000 220 0.977778 5 0.022222
1.600000 219 0.973333 6 0.026667
1.650000 219 0.973333 6 0.026667
1.700000 219 0.973333 6 0.026667
1.750000 219 0.973333 6 0.026667
1.800000 220 0.977778 5 0.022222
1.850000 218 0.968889 7 0.031111
1.900000 216 0.960000 9 0.040000
1.950000 216 0.960000 9 0.040000
2.000000 216 0.960000 9 0.040000
2.050000 212 0.942222 13 0.057778
2.100000 209 0.928889 16 0.071111
2.150000 200 0.888889 25 0.111111
2.200000 199 0.884444 26 0.115556
2.210000 200 0.888889 25 0.111111
2.220000 196 0.871111 29 0.128889
2.230000 191 0.848889 34 0.151111
2.240000 188 0.835556 37 0.164444
2.250000 191 0.848889 34 0.151111
2.260000 185 0.822222 40 0.177778
2.268000 184 0.817778 41 0.182222
2.269000 182 0.808889 43 0.191111
```

```
2.270000 185 0.822222 40 0.177778
2.271000 188 0.835556 37 0.164444
2.280000 184 0.817778 41 0.182222
2.290000 182 0.808889 43 0.191111
2.300000 173 0.768889 52 0.231111
2.310000 178 0.791111 47 0.208889
2.350000 169 0.751111 56 0.248889
2.400000 165 0.733333 60 0.266667
2.450000 164 0.728889 61 0.271111
2.500000 165 0.733333 60 0.266667
2.550000 169 0.751111 56 0.248889
2.600000 168 0.746667 57 0.253333
2.650000 174 0.773333 51 0.226667
2.700000 174 0.773333 51 0.226667
2.750000 176 0.782222 49 0.217778
2.800000 174 0.773333 51 0.226667
2.850000 182 0.808889 43 0.191111
2.900000 176 0.782222 49 0.217778
2.950000 184 0.817778 41 0.182222
3.000000 187 0.831111 38 0.168889
3.050000 194 0.862222 31 0.137778
3.100000 183 0.813333 42 0.186667
3.150000 183 0.813333 42 0.186667
3.200000 187 0.831111 38 0.168889
3.250000 192 0.853333 33 0.146667
3.300000 191 0.848889 34 0.151111
3.350000 193 0.857778 32 0.142222
3.400000 191 0.848889 34 0.151111
3.450000 190 0.844444 35 0.155556
3.500000 194 0.862222 31 0.137778
3.550000 191 0.848889 34 0.151111
3.600000 192 0.853333 33 0.146667
3.650000 190 0.844444 35 0.155556
3.700000 192 0.853333 33 0.146667
3.750000 193 0.857778 32 0.142222
3.800000 194 0.862222 31 0.137778
3.850000 197 0.875556 28 0.124444
3.900000 195 0.866667 30 0.133333
3.950000 197 0.875556 28 0.124444
4.000000 198 0.880000 27 0.120000
4.050000 194 0.862222 31 0.137778
4.100000 196 0.871111 29 0.128889
4.150000 193 0.857778 32 0.142222
4.200000 197 0.875556 28 0.124444
4.250000 195 0.866667 30 0.133333
4.300000 197 0.875556 28 0.124444
```

```
4.350000 196 0.871111 29 0.128889
4.400000 195 0.866667 30 0.133333
4.450000 193 0.857778 32 0.142222
4.500000 199 0.884444 26 0.115556
4.550000 195 0.866667 30 0.133333
4.600000 196 0.871111 29 0.128889
4.650000 197 0.875556 28 0.124444
4.700000 198 0.880000 27 0.120000
4.750000 200 0.888889 25 0.111111
4.800000 199 0.884444 26 0.115556
4.850000 198 0.880000 27 0.120000
4.900000 194 0.862222 31 0.137778
4.950000 198 0.880000 27 0.120000
5.000000 198 0.880000 27 0.120000
5.100000 202 0.897778 23 0.102222
5.200000 203 0.902222 22 0.097778
5.300000 201 0.893333 24 0.106667
5.400000 199 0.884444 26 0.115556
5.500000 202 0.897778 23 0.102222
5.600000 204 0.906667 21 0.093333
5.700000 204 0.906667 21 0.093333
5.800000 199 0.884444 26 0.115556
5.900000 201 0.893333 24 0.106667
6.000000 199 0.884444 26 0.115556
6.100000 199 0.884444 26 0.115556
6.200000 201 0.893333 24 0.106667
6.300000 200 0.888889 25 0.111111
6.400000 202 0.897778 23 0.102222
6.500000 197 0.875556 28 0.124444
6.600000 200 0.888889 25 0.111111
6.700000 200 0.888889 25 0.111111
6.800000 201 0.893333 24 0.106667
6.900000 199 0.884444 26 0.115556
7.000000 202 0.897778 23 0.102222
7.100000 201 0.893333 24 0.106667
7.200000 203 0.902222 22 0.097778
7.300000 203 0.902222 22 0.097778
7.400000 202 0.897778 23 0.102222
7.500000 200 0.888889 25 0.111111
7.600000 205 0.911111 20 0.088889
7.700000 203 0.902222 22 0.097778
7.800000 206 0.915556 19 0.084444
7.900000 201 0.893333 24 0.106667
8.000000 203 0.902222 22 0.097778
```

Risultati relativi alla rete 6: da sinistra a destra le colonne rappresentano temperatura, numero di neuroni inattivi, percentuale di neuroni inattivi, numero di neuroni attivi, percentuale di neuroni attivi

```
0.050000 223 0.991111 2 0.008889
0.100000 223 0.991111 2 0.008889
0.150000 223 0.991111 2 0.008889
0.200000 223 0.991111 2 0.008889
0.250000 223 0.991111 2 0.008889
0.300000 223 0.991111 2 0.008889
0.350000 223 0.991111 2 0.008889
0.400000 223 0.991111 2 0.008889
0.450000 223 0.991111 2 0.008889
0.500000 223 0.991111 2 0.008889
0.550000 223 0.991111 2 0.008889
0.600000 223 0.991111 2 0.008889
0.650000 223 0.991111 2 0.008889
0.700000 223 0.991111 2 0.008889
0.750000 223 0.991111 2 0.008889
0.800000 223 0.991111 2 0.008889
0.850000 223 0.991111 2 0.008889
0.900000 223 0.991111 2 0.008889
0.950000 223 0.991111 2 0.008889
1.000000 223 0.991111 2 0.008889
1.050000 223 0.991111 2 0.008889
1.100000 223 0.991111 2 0.008889
1.150000 223 0.991111 2 0.008889
1.200000 223 0.991111 2 0.008889
1.250000 223 0.991111 2 0.008889
1.300000 223 0.991111 2 0.008889
1.350000 223 0.991111 2 0.008889
1.400000 223 0.991111 2 0.008889
1.450000 223 0.991111 2 0.008889
1.500000 223 0.991111 2 0.008889
1.550000 223 0.991111 2 0.008889
1.600000 223 0.991111 2 0.008889
1.650000 223 0.991111 2 0.008889
1.700000 223 0.991111 2 0.008889
1.750000 223 0.991111 2 0.008889
1.800000 223 0.991111 2 0.008889
1.850000 223 0.991111 2 0.008889
1.900000 221 0.982222 4 0.017778
1.950000 217 0.964444 8 0.035556
2.000000 219 0.973333 6 0.026667
2.050000 209 0.928889 16 0.071111
2.100000 208 0.924444 17 0.075556
```

```
2.150000 185 0.822222 40 0.177778
2.200000 165 0.733333 60 0.266667
2.210000 171 0.760000 54 0.240000
2.220000 155 0.688889 70 0.311111
2.230000 152 0.675556 73 0.324444
2.240000 144 0.640000 81 0.360000
2.250000 143 0.635556 82 0.364444
2.260000 132 0.586667 93 0.413333
2.268000 130 0.577778 95 0.422222
2.269000 130 0.577778 95 0.422222
2.270000 133 0.591111 92 0.408889
2.271000 127 0.564444 98 0.435556
2.280000 117 0.520000 108 0.480000
2.290000 112 0.497778 113 0.502222
2.300000 100 0.444444 125 0.555556
2.310000 112 0.497778 113 0.502222
2.350000 72 0.320000 153 0.680000
2.400000 68 0.302222 157 0.697778
2.450000 76 0.337778 149 0.662222
2.500000 78 0.346667 147 0.653333
2.550000 88 0.391111 137 0.608889
2.600000 85 0.377778 140 0.622222
2.650000 99 0.440000 126 0.560000
2.700000 104 0.462222 121 0.537778
2.750000 102 0.453333 123 0.546667
2.800000 107 0.475556 118 0.524444
2.850000 120 0.533333 105 0.466667
2.900000 118 0.524444 107 0.475556
2.950000 119 0.528889 106 0.471111
3.000000 127 0.564444 98 0.435556
3.050000 131 0.582222 94 0.417778
3.100000 127 0.564444 98 0.435556
3.150000 129 0.573333 96 0.426667
3.200000 132 0.586667 93 0.413333
3.250000 133 0.591111 92 0.408889
3.300000 138 0.613333 87 0.386667
3.350000 134 0.595556 91 0.404444
3.400000 134 0.595556 91 0.404444
3.450000 135 0.600000 90 0.400000
3.500000 144 0.640000 81 0.360000
3.550000 135 0.600000 90 0.400000
3.600000 140 0.622222 85 0.377778
3.650000 146 0.648889 79 0.351111
3.700000 142 0.631111 83 0.368889
3.750000 139 0.617778 86 0.382222
3.800000 138 0.613333 87 0.386667
```

```
3.850000 144 0.640000 81 0.360000
3.900000 146 0.648889 79 0.351111
3.950000 144 0.640000 81 0.360000
4.000000 150 0.666667 75 0.333333
4.050000 149 0.662222 76 0.337778
4.100000 148 0.657778 77 0.342222
4.150000 149 0.662222 76 0.337778
4.200000 149 0.662222 76 0.337778
4.250000 146 0.648889 79 0.351111
4.300000 153 0.680000 72 0.320000
4.350000 146 0.648889 79 0.351111
4.400000 149 0.662222 76 0.337778
4.450000 147 0.653333 78 0.346667
4.500000 149 0.662222 76 0.337778
4.550000 155 0.688889 70 0.311111
4.600000 153 0.680000 72 0.320000
4.650000 150 0.666667 75 0.333333
4.700000 157 0.697778 68 0.302222
4.750000 155 0.688889 70 0.311111
4.800000 156 0.693333 69 0.306667
4.850000 153 0.680000 72 0.320000
4.900000 150 0.666667 75 0.333333
4.950000 153 0.680000 72 0.320000
5.000000 154 0.684444 71 0.315556
5.100000 153 0.680000 72 0.320000
5.200000 156 0.693333 69 0.306667
5.300000 155 0.688889 70 0.311111
5.400000 157 0.697778 68 0.302222
5.500000 160 0.711111 65 0.288889
5.600000 153 0.680000 72 0.320000
5.700000 154 0.684444 71 0.315556
5.800000 153 0.680000 72 0.320000
5.900000 161 0.715556 64 0.284444
6.000000 160 0.711111 65 0.288889
6.100000 155 0.688889 70 0.311111
6.200000 161 0.715556 64 0.284444
6.300000 155 0.688889 70 0.311111
6.400000 162 0.720000 63 0.280000
6.500000 162 0.720000 63 0.280000
6.600000 166 0.737778 59 0.262222
6.700000 158 0.702222 67 0.297778
6.800000 160 0.711111 65 0.288889
6.900000 160 0.711111 65 0.288889
7.000000 162 0.720000 63 0.280000
7.100000 164 0.728889 61 0.271111
7.200000 166 0.737778 59 0.262222
```

```
7.300000 164 0.728889 61 0.271111
7.400000 160 0.711111 65 0.288889
7.500000 161 0.715556 64 0.284444
7.600000 160 0.711111 65 0.288889
7.700000 162 0.720000 63 0.280000
7.800000 165 0.733333 60 0.266667
7.900000 163 0.724444 62 0.275556
8.000000 163 0.724444 62 0.275556
```

Risultati relativi alla rete 7: da sinistra a destra le colonne rappresentano temperatura, numero di neuroni inattivi, percentuale di neuroni inattivi, numero di neuroni attivi, percentuale di neuroni attivi

```
0.050000 223 0.991111 2 0.008889
0.100000 223 0.991111 2 0.008889
0.150000 223 0.991111 2 0.008889
0.200000 223 0.991111 2 0.008889
0.250000 223 0.991111 2 0.008889
0.300000 223 0.991111 2 0.008889
0.350000 223 0.991111 2 0.008889
0.400000 223 0.991111 2 0.008889
0.450000 223 0.991111 2 0.008889
0.500000 223 0.991111 2 0.008889
0.550000 223 0.991111 2 0.008889
0.600000 223 0.991111 2 0.008889
0.650000 223 0.991111 2 0.008889
0.700000 223 0.991111 2 0.008889
0.750000 223 0.991111 2 0.008889
0.800000 223 0.991111 2 0.008889
0.850000 223 0.991111 2 0.008889
0.900000 223 0.991111 2 0.008889
0.950000 223 0.991111 2 0.008889
1.000000 223 0.991111 2 0.008889
1.050000 223 0.991111 2 0.008889
1.100000 223 0.991111 2 0.008889
1.150000 223 0.991111 2 0.008889
1.200000 223 0.991111 2 0.008889
1.250000 223 0.991111 2 0.008889
1.300000 223 0.991111 2 0.008889
1.350000 223 0.991111 2 0.008889
1.400000 223 0.991111 2 0.008889
1.450000 223 0.991111 2 0.008889
1.500000 223 0.991111 2 0.008889
1.550000 223 0.991111 2 0.008889
1.600000 223 0.991111 2 0.008889
1.650000 223 0.991111 2 0.008889
```

```
1.700000 223 0.991111 2 0.008889
1.750000 223 0.991111 2 0.008889
1.800000 223 0.991111 2 0.008889
1.850000 223 0.991111 2 0.008889
1.900000 222 0.986667 3 0.013333
1.950000 219 0.973333 6 0.026667
2.000000 218 0.968889 7 0.031111
2.050000 209 0.928889 16 0.071111
2.100000 206 0.915556 19 0.084444
2.150000 186 0.826667 39 0.173333
2.200000 164 0.728889 61 0.271111
2.210000 169 0.751111 56 0.248889
2.220000 153 0.680000 72 0.320000
2.230000 155 0.688889 70 0.311111
2.240000 143 0.635556 82 0.364444
2.250000 145 0.644444 80 0.355556
2.260000 137 0.608889 88 0.391111
2.268000 128 0.568889 97 0.431111
2.269000 128 0.568889 97 0.431111
2.270000 133 0.591111 92 0.408889
2.271000 128 0.568889 97 0.431111
2.280000 119 0.528889 106 0.471111
2.290000 107 0.475556 118 0.524444
2.300000 108 0.480000 117 0.520000
2.310000 100 0.444444 125 0.555556
2.350000 72 0.320000 153 0.680000
2.400000 68 0.302222 157 0.697778
2.450000 69 0.306667 156 0.693333
2.500000 84 0.373333 141 0.626667
2.550000 84 0.373333 141 0.626667
2.600000 88 0.391111 137 0.608889
2.650000 110 0.488889 115 0.511111
2.700000 106 0.471111 119 0.528889
2.750000 107 0.475556 118 0.524444
2.800000 106 0.471111 119 0.528889
2.850000 117 0.520000 108 0.480000
2.900000 123 0.546667 102 0.453333
2.950000 115 0.511111 110 0.488889
3.000000 129 0.573333 96 0.426667
3.050000 130 0.577778 95 0.422222
3.100000 130 0.577778 95 0.422222
3.150000 129 0.573333 96 0.426667
3.200000 133 0.591111 92 0.408889
3.250000 133 0.591111 92 0.408889
3.300000 135 0.600000 90 0.400000
3.350000 136 0.604444 89 0.395556
```

```
3.400000 138 0.613333 87 0.386667
3.450000 133 0.591111 92 0.408889
3.500000 140 0.622222 85 0.377778
3.550000 138 0.613333 87 0.386667
3.600000 141 0.626667 84 0.373333
3.650000 144 0.640000 81 0.360000
3.700000 142 0.631111 83 0.368889
3.750000 139 0.617778 86 0.382222
3.800000 141 0.626667 84 0.373333
3.850000 143 0.635556 82 0.364444
3.900000 145 0.644444 80 0.355556
3.950000 151 0.671111 74 0.328889
4.000000 146 0.648889 79 0.351111
4.050000 148 0.657778 77 0.342222
4.100000 146 0.648889 79 0.351111
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4.200000 148 0.657778 77 0.342222
4.250000 149 0.662222 76 0.337778
4.300000 151 0.671111 74 0.328889
4.350000 148 0.657778 77 0.342222
4.400000 147 0.653333 78 0.346667
4.450000 150 0.666667 75 0.333333
4.500000 152 0.675556 73 0.324444
4.550000 155 0.688889 70 0.311111
4.600000 150 0.666667 75 0.333333
4.650000 154 0.684444 71 0.315556
4.700000 153 0.680000 72 0.320000
4.750000 156 0.693333 69 0.306667
4.800000 154 0.684444 71 0.315556
4.850000 153 0.680000 72 0.320000
4.900000 150 0.666667 75 0.333333
4.950000 156 0.693333 69 0.306667
5.000000 156 0.693333 69 0.306667
5.100000 155 0.688889 70 0.311111
5.200000 156 0.693333 69 0.306667
5.300000 152 0.675556 73 0.324444
5.400000 159 0.706667 66 0.293333
5.500000 157 0.697778 68 0.302222
5.600000 155 0.688889 70 0.311111
5.700000 153 0.680000 72 0.320000
5.800000 157 0.697778 68 0.302222
5.900000 161 0.715556 64 0.284444
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6.100000 160 0.711111 65 0.288889
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6.300000 160 0.711111 65 0.288889
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6.400000 163 0.724444 62 0.275556
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6.800000 158 0.702222 67 0.297778
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7.100000 164 0.728889 61 0.271111
7.200000 165 0.733333 60 0.266667
7.300000 161 0.715556 64 0.284444
7.400000 161 0.715556 64 0.284444
7.500000 162 0.720000 63 0.280000
7.600000 165 0.733333 60 0.266667
7.700000 162 0.720000 63 0.280000
7.800000 162 0.720000 63 0.280000
7.900000 162 0.720000 63 0.280000
8.000000 164 0.728889 61 0.271111
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