Minesweeper Entropy Results

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Table 1. Average counts and entropy for random position(SN=6000)

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Level | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Entropy |
| Beg. | 28.77 | 28.04 | 11.4 | 2.46 | 0.3 | 0.02 | 0 | 0 | 0 | 10 | 1.971392 |
| Std | 4.94 | 5.87 | 3.01 | 1.6 | 0.6 | 0.16 | 0.04 | 0 | 0 | 0 | 0.0851 |
| Inter. | 63.33 | 83.62 | 48.78 | 16.35 | 3.44 | 0.44 | 0.04 | 0 | 0 | 40 | 2.236311 |
| Std | 8.68 | 9.47 | 6.81 | 3.68 | 1.94 | 0.7 | 0.2 | 0.04 | 0.02 | 0 | 0.0502 |
| Expert | 70.46 | 130.86 | 108.17 | 52.07 | 15.92 | 3.1 | 0.38 | 0.03 | 0 | 99 | 2.427066 |
| Std | 10.49 | 10.51 | 10.69 | 6.64 | 3.78 | 1.84 | 0.63 | 0.17 | 0.03 | 0 | 0.0409 |
| Custom | 153.4 | 226.45 | 148.23 | 56.25 | 13.43 | 2.02 | 0.2 | 0.01 | 0 | 120 | 2.314933 |
| Std | 14.19 | 15.17 | 12.53 | 6.72 | 3.67 | 1.5 | 0.46 | 0.1 | 0.01 | 0 | 0.0304 |

Table 2. Average counts and entropy for input file position (SN=1)

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Level | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Entropy |
| Beg. | 24 | 32 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 1.872421 |
| Inter. | 54 | 88 | 50 | 23 | 1 | 0 | 0 | 0 | 0 | 40 | 2.225368 |
| Expert | 45 | 139 | 130 | 50 | 16 | 1 | 0 | 0 | 0 | 99 | 2.340072 |
| Custom | 140 | 226 | 157 | 66 | 10 | 1 | 0 | 0 | 0 | 120 | 2.308948 |