Activity 1. Graph Colouring

The time complexity of the algorithm is O(n\*k\*(k+1)) where n is the number of nodes and k the maximum number of neighbors. As k is constant, the complexity is closer to linear than to a cubic complexity.

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| n | t Colouring (ms) |
| 8 | LoR |
| 16 | 0.9 |
| 32 | 1.64 |
| 64 | 3.00 |
| 128 | 5.53 |
| 256 | 11.73 |
| 512 | 23.9 |
| 1024 | 47.1 |
| 2048 | 95.5 |
| 4096 | 1995 |
| 8192 | 443.9 |
| 16384 | 1049.1 |
| 32768 | 2550.4 |
| 65536 | 6873.2 |