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.

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