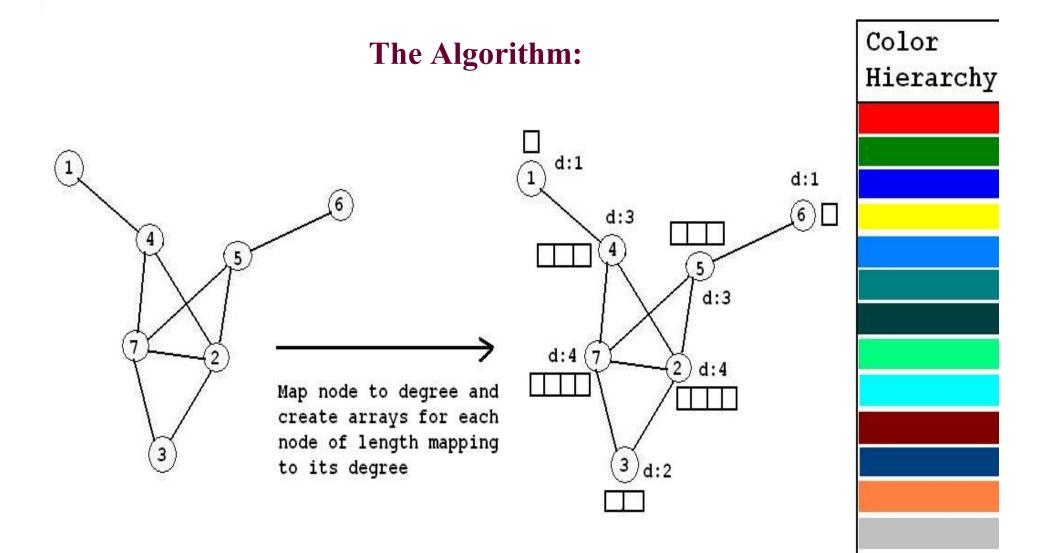
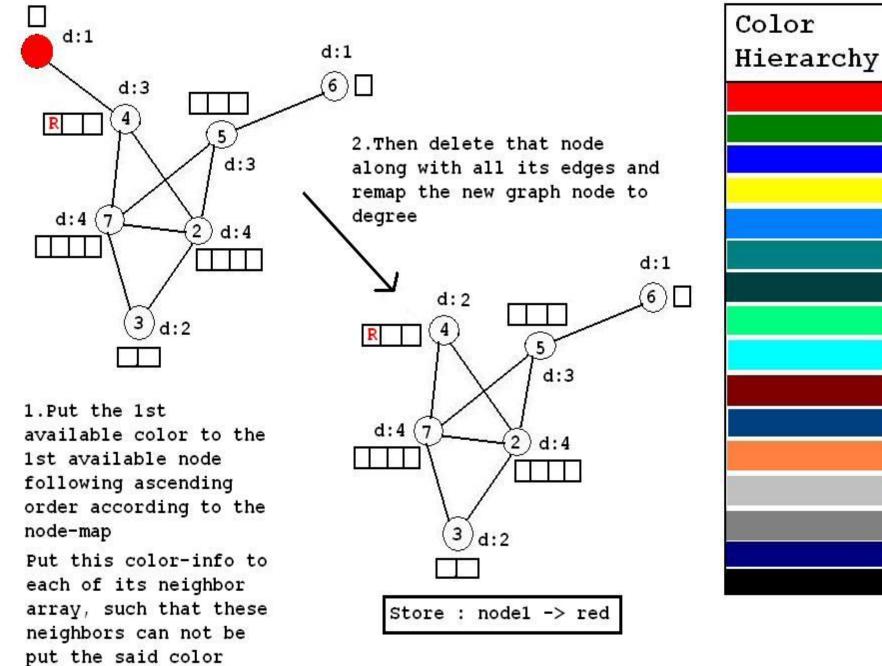
## Chromatic Number of a Graph

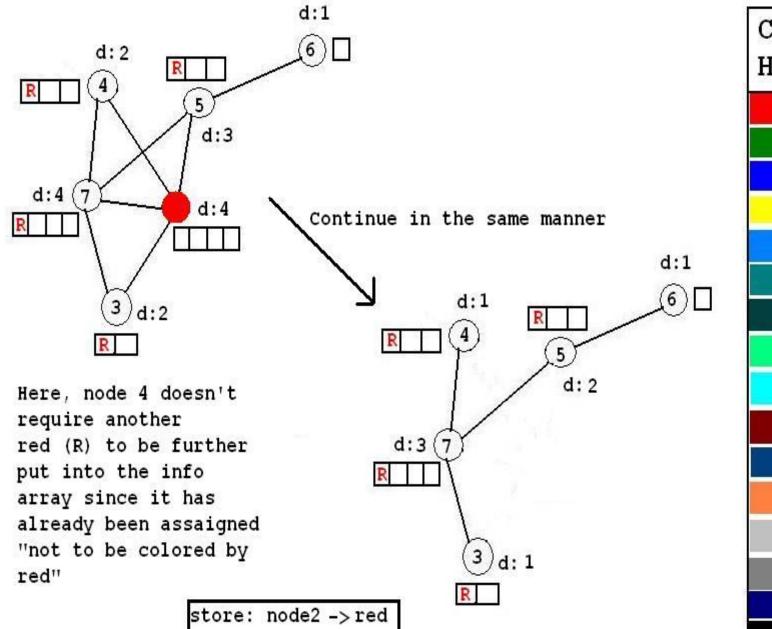
A computational solution

Chromatic Number : It is the minimum set of colors by which nodes of a graph are colored exhaustively, such that no two adjacent nodes share the same color.

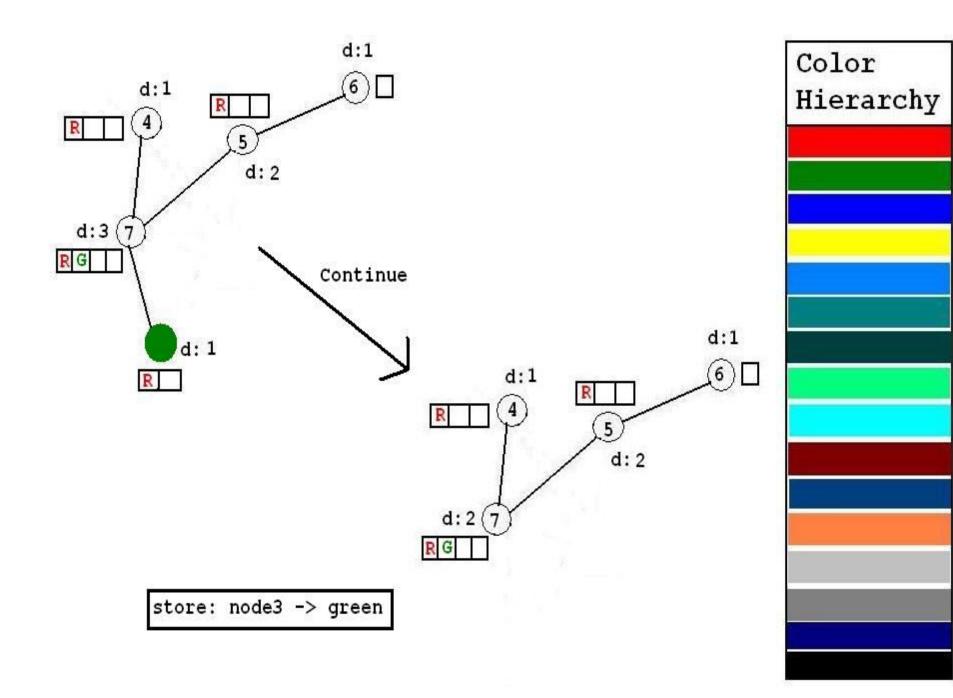


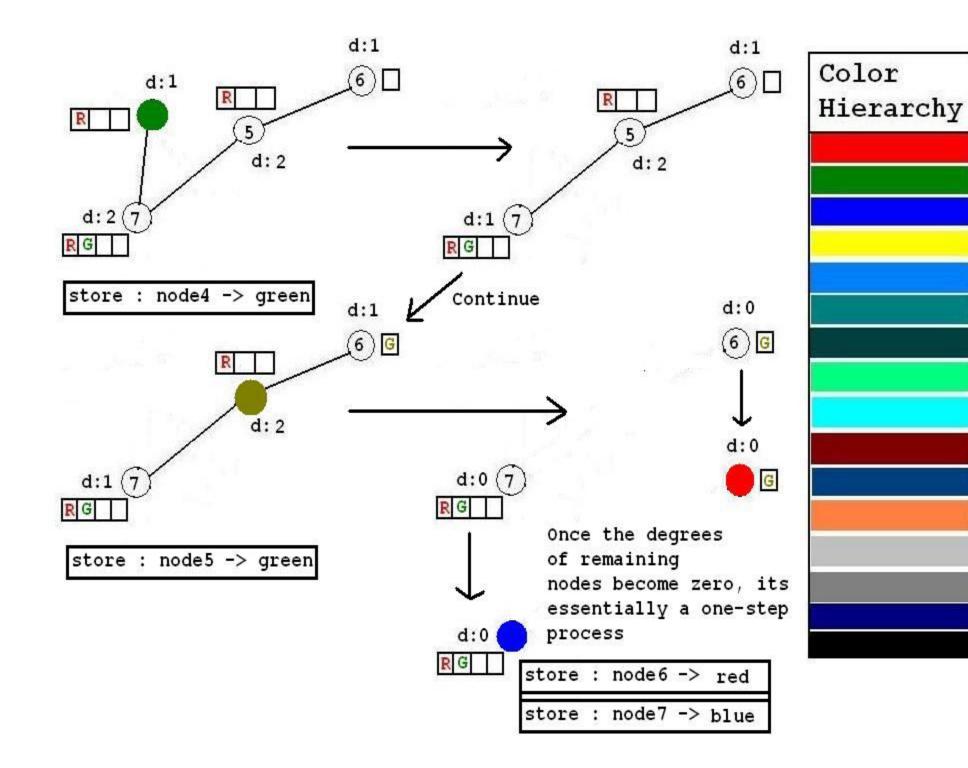


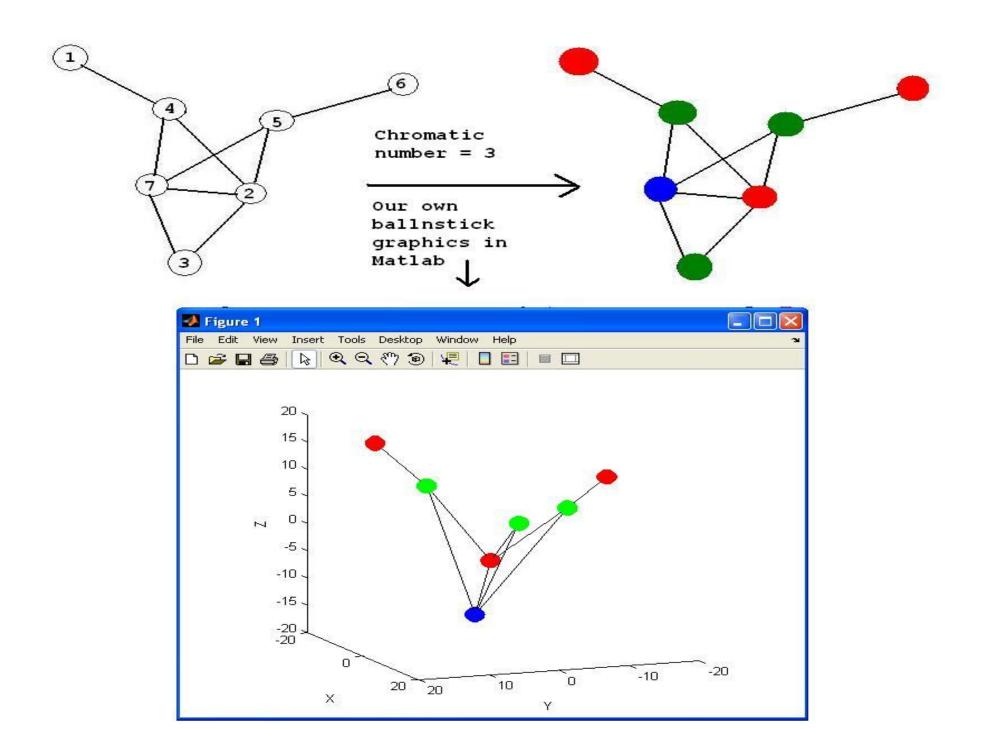
COLOL



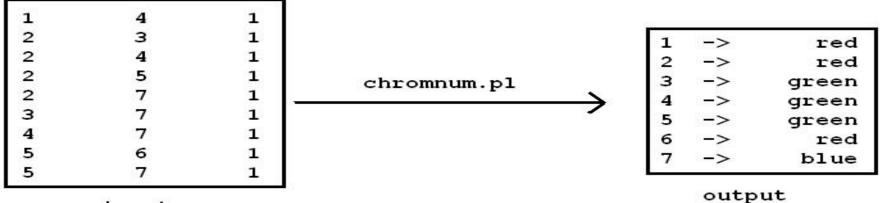
Color Hierarchy







## 1-0 adjacensy matrix



input

Ģ:\C	HROMNUM> (	ype_map.gr	aph
	- 4		
2	Э	1	
2	4	1	
2	5	1	
2	7	1	
З	7	1	
4	7	1	
5	6	1	
5	7	1	

G:\CHROMNUM>chromnum.pl map.graph > chrm.out\_

G: M	CHROMN	IUM>type	chrm.out
1	->	red	
2	->	red	
3	->	green	
- 4	->	green	
5	->	green	
6	->	red	
7	->	blue	