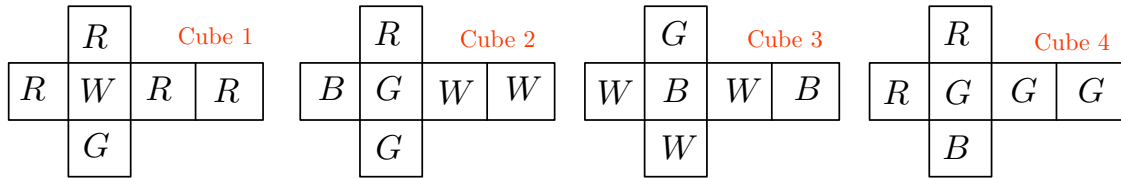► **Problem 9.1-4(d)**

Find solution , where possible, for the cube games pictured in the following figure.

	R			Cube 1
R	W	R	R	
	G			

	R			Cube 2
B	G	W	W	
	G			

	G			Cube 3
W	B	W	B	
	W			

	R			Cube 4
R	G	G	G	
	B			

Solution. Here is the graph corresponding to the cubes and two edge disjoint subgraphs.
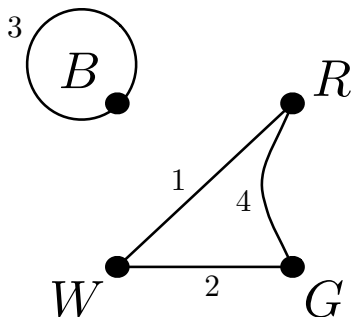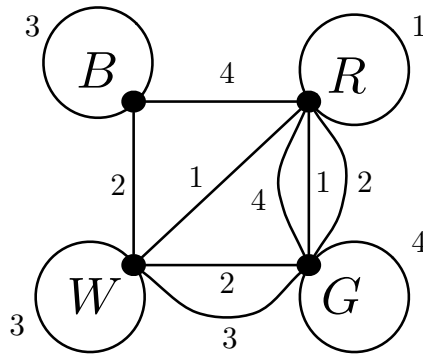
subgraph 1
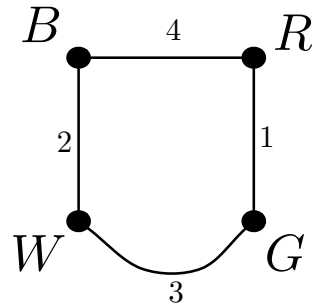
subgraph 2

The solutions is

	Front	Back	Right	Left
cube 4	R	G	B	R
cube 3	B	B	G	W
cube 2	G	W	W	B
cube 1	W	R	R	G

□