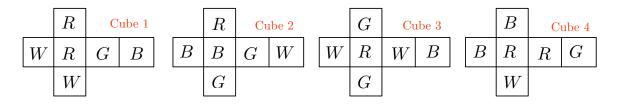
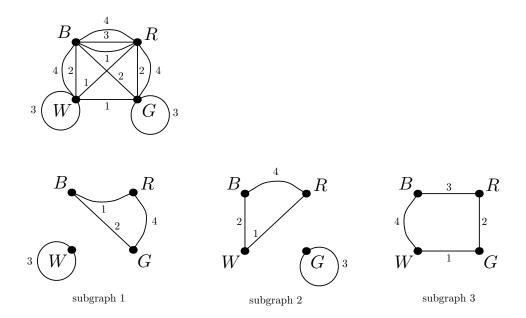
▶ Problem 9.1-4(c)

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



Solution. There are three edge disjoint subgraphs, as shown below. One solution is the pair of subgraphs 1 and 2, the second solution is the pair of subgraphs 1 and 3, and the last solution is pair of subgraphs 2 and 3.



The solutions indicated are

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

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

Left W B R G