1 1. 
$$|V| = 3! = 6$$
  
 $d(v) = {3 \choose 2} = 3$ ,  $\forall v \in V \implies G$  regular.  
 $|E| = \frac{1}{2} \sum_{v \in V} d(v) = \frac{3}{2} = 9$ 

2. Gran de depicted as

abc ben (ab

which is isomorphie to a ks.3. > G is

3. G is signitife. Using only two colors, there are EXACTLY two warms to moper color it: The upper split uses the first color and the lower uses the second, or vice versa.

4. is not bijortite.

2 1. This is a motition of a set of 29 elements (the postcardy) into 3 groups of 5 and 7 groups of?. The groups are the envelopes, as they can only be told apart by their content.

2. 29!

2. <u>29!</u> (5!)<sup>3</sup>. 3!. (2!)<sup>7</sup>. 7!