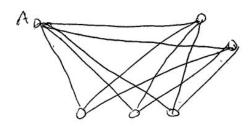
Name Solutions

Mathematics 2602 Quiz 7 Prof. Margalit

14 March 2012

Let $K_{r,s,t}$ denote the graph with r red vertices, s blue vertices, and t green vertices, and where there is an edge connecting two vertices if and only if they have different colors.

1. Draw a picture of $K_{1,2,3}$. You do not need to indicate the colors in any way.



2. Is $K_{1,2,3}$ Eulerian?

Eulerian (=> all degrees are even.

 n_{ν} , as deg A = 5

3. For which values of r, s, and t is $K_{r,s,t}$ Eulerian?

Eulerian (=) all degrees are even.

Possible degrees in Krist are 1+5, 1+t, s+t.

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