CS 230, Quiz 3

Solutions

You will have 5 minutes to complete this quiz. No books, notes, or other aids are permitted.

Problem 1

Correct the orientations of the following triangles so that their orientations are consistent: (0,1,3), (1,3,4), (1,2,4), (1,2,5), (0,1,5). (The numbers are indices into the vertex list.)

Adjusting the orientations to be consistent with the first: (0,1,3), (1,4,3), (1,2,4), (1,5,2), (0,5,1).

Problem 2

The triangle below is to be rasterized. The colors of the vertices are A = yellow = (1, 1, 0), B = cyan = (0, 1, 1) and, C = violet = (1, 0, 1). (1) Compute the barycentric weights of P, and (2) compute the color of the point P.



