LAB 2: Point-in-triangle test

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To solve the point-in-triangle test I will use the fact that the point is always on the same relative side of the triangle segments if it's inside it.

- If d1,d2,d3 are the sign determinants of the point 'p' with each respective segment, if they're equal, 'p' appears inside the triangle. (It's not possible that the 3 determinants have value 0, because the point cannot be over the 3 segments simultaneously, unless triangles defined by points on the same line exist; in that case, the program will output 'p' inside the triangle).
- If some determinant sign is 0 and the others equal, 'p' lies on one edge.
- In the case the point is on a corner, this means 2 determinants have value 0.

Code overview: