Show: If PR is NOT parallel to BC, then |AP| / |AB| is NOT equal to |AR| / |AC|.
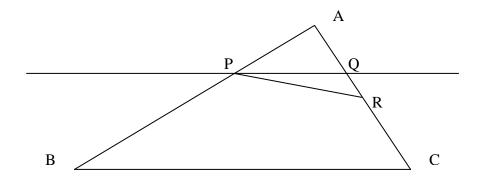
Use the following picture, in which line PQ is parallel to line BC.