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$$y = x^2 + px + q,$$

$$p + q = 2011.$$

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$a, b, c$ :

$$\frac{a^2}{4} + b^2 + c^2 \geq ab - ac + 2bc$$

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3

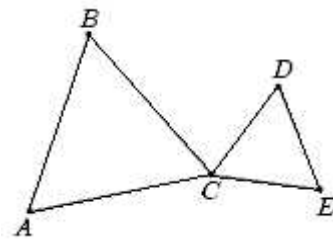
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(  $ABC$   $CDE$  ).  
 $AD$   $BE$ .



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2011

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