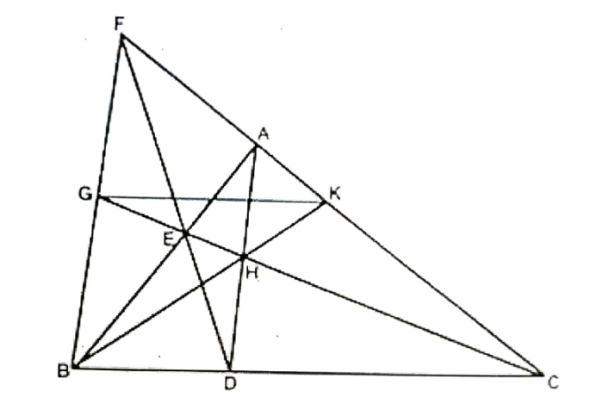
**To Prove :**

GK BC

It is enough to prove (from converse of BPT)

**Proof:**

In cevians FD, BA, CG are concurrent at E.

-----------------------------(1)

In ceivans AD, BK, CF are concurrent at H

[from Ceva's theorem]

-------------------------- (2)

In DEF is transversal

(from 'Menaulas Theorem')

--------------------- (3)

from (2) & (3)

Adding '1' on both sides

subtracting '1' on both sides

[

------------------------------(4)

from (1) & (4)

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Which implies GK BC from converse of basic proportionality theorem.

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