

**Given :**

To Prove : GK BC

Proof :

Let AF = a

AK = b

KC = c for ease.

In FBCA,

FD, BA, CG are concurrent at E.

Bye Ceva's

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

In ABC,

AD,BK,CE meet at H

In ABC, FD transversal

by Menulaus,

= ac

+ac +ac

(b+c)(a+b)=2ac

Master. Peeyush Pande

by inverse BPT, GK BC

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