

2K17/MC/087

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Ques - 3 we know that no. of edges
i.e. $|E| = 35$

and, $|V| = ?$ let no. of vertices be
 x

hence, $\sum d(v_i) = 2 \cdot |E|$

and for atleast 3 degrees, we say

$$(3 \cdot |V|) \leq 2 \cdot |E|$$

$$3|V| \leq 2 \cdot 35$$

$$\text{or } |V| \leq 70/3$$

$$\text{and hence, } |V| = \underline{23.33}$$

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