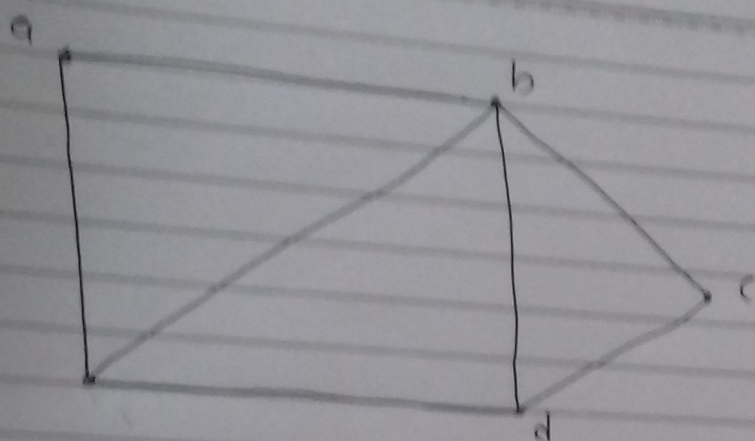


(ii)



determine the degree of every vertex in the given graph

$$\deg(a) = 2$$

$$\deg(b) = 4$$

$$\deg(c) = 2$$

$$\deg(d) = 3$$

$$\deg(e) = 3$$

However we do note that given graph contains cycle ce and the cycle ce with given graph form a Hamilton circuit as the circuit will pass through all vertices exactly once.

A possible Hamilton circuit is a, b, c, d, e, a .
Hamilton circuit exists.