



First determine the degree of every vertex

$$\deg(a) = 3$$

$$\deg(b) = 4$$

$$\deg(c) = 4$$

$$\deg(d) = 3$$

$$\deg(e) = 6$$

a graph has Euler circuit if and only if all the vertices has even degree.

Since some degree are odd, there is no Euler circuit.

we note that vertices a and c have odd degree and thus an Euler path exists.

a possible Euler path is

a, b, e, d, e, c, e, a

No Euler circuit exists. Euler path exists.