Enlerinn cycle => all vartices haven an even degree

Proof by induction: G=(V,E)

Basis: |V| = 2,

|v|=3,000

G'= (v', E-Er.)

an even thou degrees vomoved from even the of degrees, : E' is still even

(orollary

Eulerian path, but to Eulerian circuit ==> exactly two vertices with old degrees

:: Eulerian paths have either 0 or 2 odd degree vertices
Eulerian circuits have 0 odd degree vertices