Theorem 6.9

A *graph* is *Hamiltonian if and only if* its closure is *Hamiltonian.*

Symbolically:

A *graph* is *Hamiltonian* $\Leftrightarrow$ its closure is *Hamiltonian.*

Corollary 6.10

If G is a graph of order at least 3 such that $C(G)$ is complete, then G is *Hamiltonian.*