

CreateGraph@ n gives a graph with minimal irreducible knot diagrams with n crossings as vertices and edges connecting each pair of knot diagrams that are equivalent under one 2-pass, flype, or third Reidemeister move.

CreateGraph[] gives a graph with minimal irreducible knot diagrams with up to 10 crossings as vertices and edges connecting each pair of knot diagrams that are equivalent under one 2-pass, flype, or third Reidemeister move.