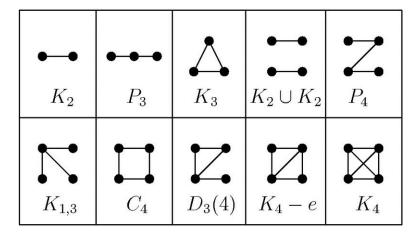
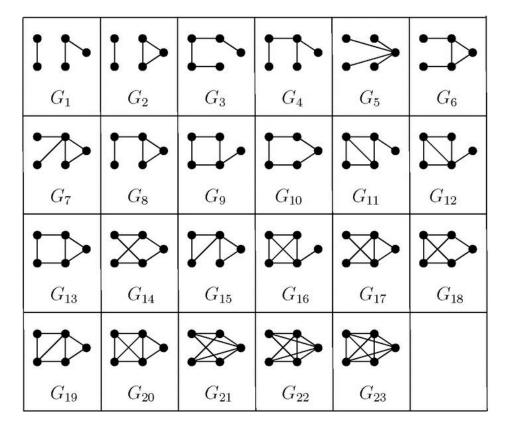
Connected graphs with 2-4 vertices:

(http://wiki.smp.uq.edu.au/G-designs/index.php/Graphs with four or fewer vertices)



Connected graphs with 5 vertices:

(http://wiki.smp.uq.edu.au/G-designs/index.php/Graphs with five vertices)



Connected graphs with 6 vertices: (http://wiki.smp.uq.edu.au/G-designs/index.php/Graphs with six vertices)

$ \begin{array}{ c c } \hline & & \\ & & $	H_1^4	H_2^4	H_3^4	H_1^5	H_2^5	H_3^5
H_4^5	H_5^5	H_6^5	H_7^5	H_8^5	H_9^5	H_1^6
H_2^6	H_3^6	H_4^6	H_5^6	H ₆	H_7^6	H_8^6
H_9^6	H_{10}^{6}	H_{11}^6	$ \bigcup_{H_{12}^6} I$	H_{13}^{6}	H_{14}^{6}	H_{15}^{6}
H_1^7	H_2^7	H_3^7	H_4^7	H_5^7	H_6^7	H_7^7
H_8^7	H_9^7	H^7_{10}	H_{11}^7	H_{12}^7	H_{13}^7	H_{14}^7
H^7_{15}	H_{16}^7	H_{17}^{7}	H_{18}^7	H_{19}^7	H^7_{20}	H_1^8
H_2^8	H_3^8	H_4^8	H_5^8	H_6^8	H_7^8	H_8^8
H_9^8	H_{10}^{8}	H_{11}^8	H_{12}^8	H_{13}^8	H_{14}^{8}	H_{15}^8
H_{16}^8	H_{17}^8	H_{18}^8	H_{19}^{8}	H_{20}^8	H_{21}^8	H_{22}^8