

# Supplementary Material

Figure 1:  $K_{4,4}$  cells (Chimera).

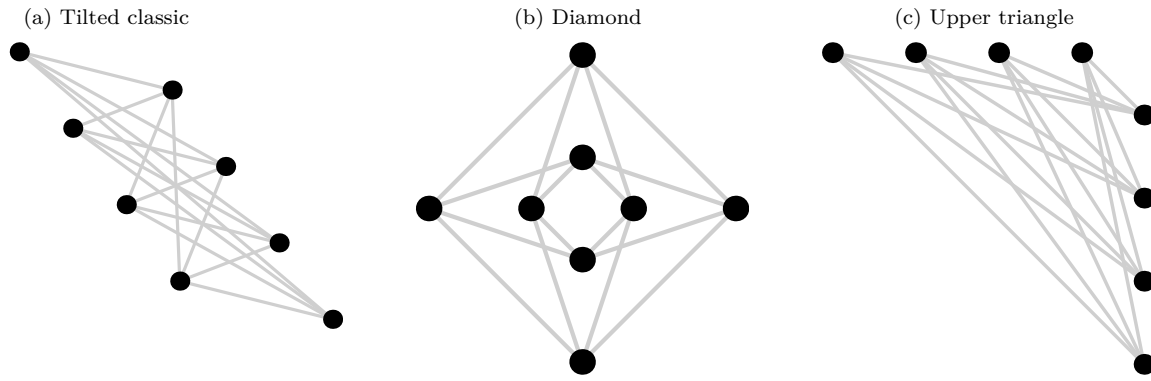


Figure 2:  $2 \times 2$  arrays of  $K_{4,4}$  cells in Chimera formation.

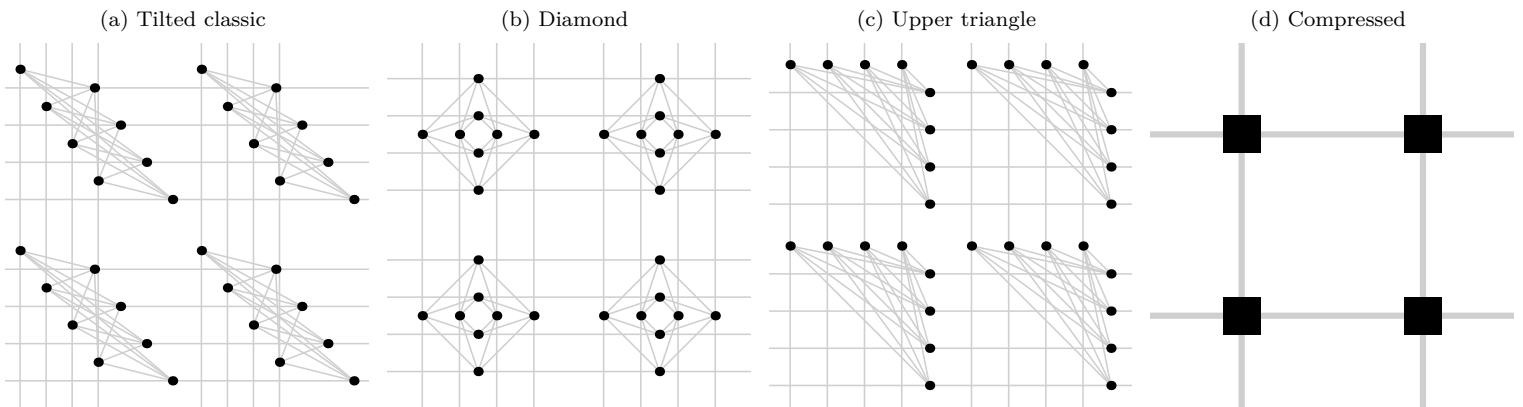


Figure 3:  $5 \times 5$  arrays of  $K_{4,4}$  cells in Chimera formation.

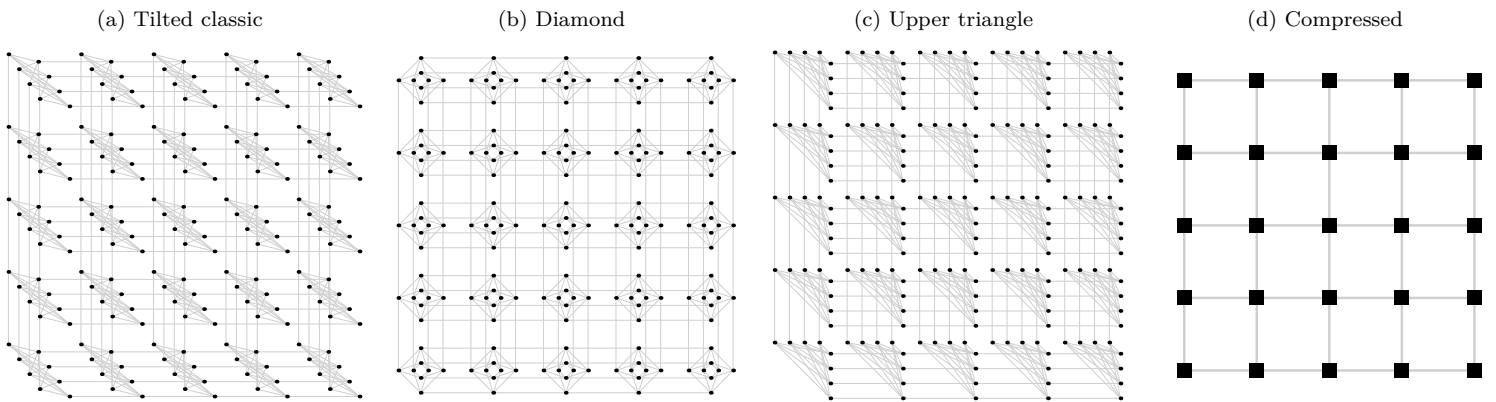


Figure 4: Pegasus cells.

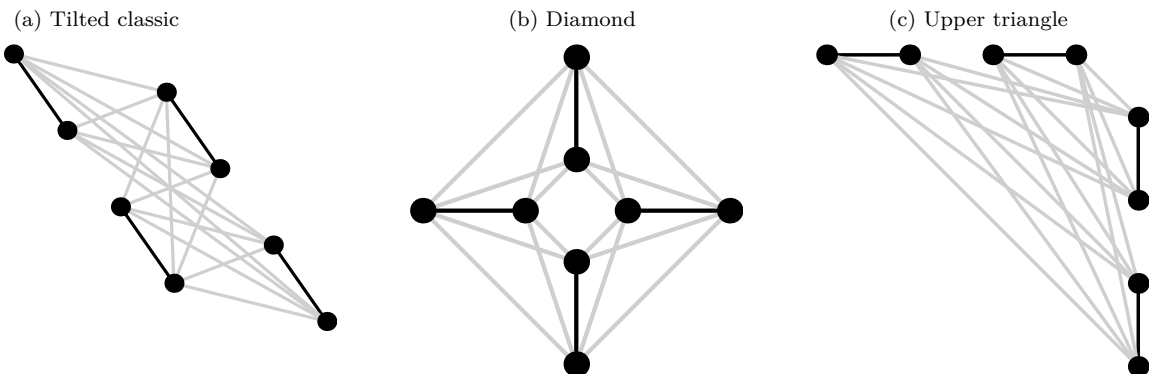


Figure 5: 64 inter-layer edges (Pegasus).

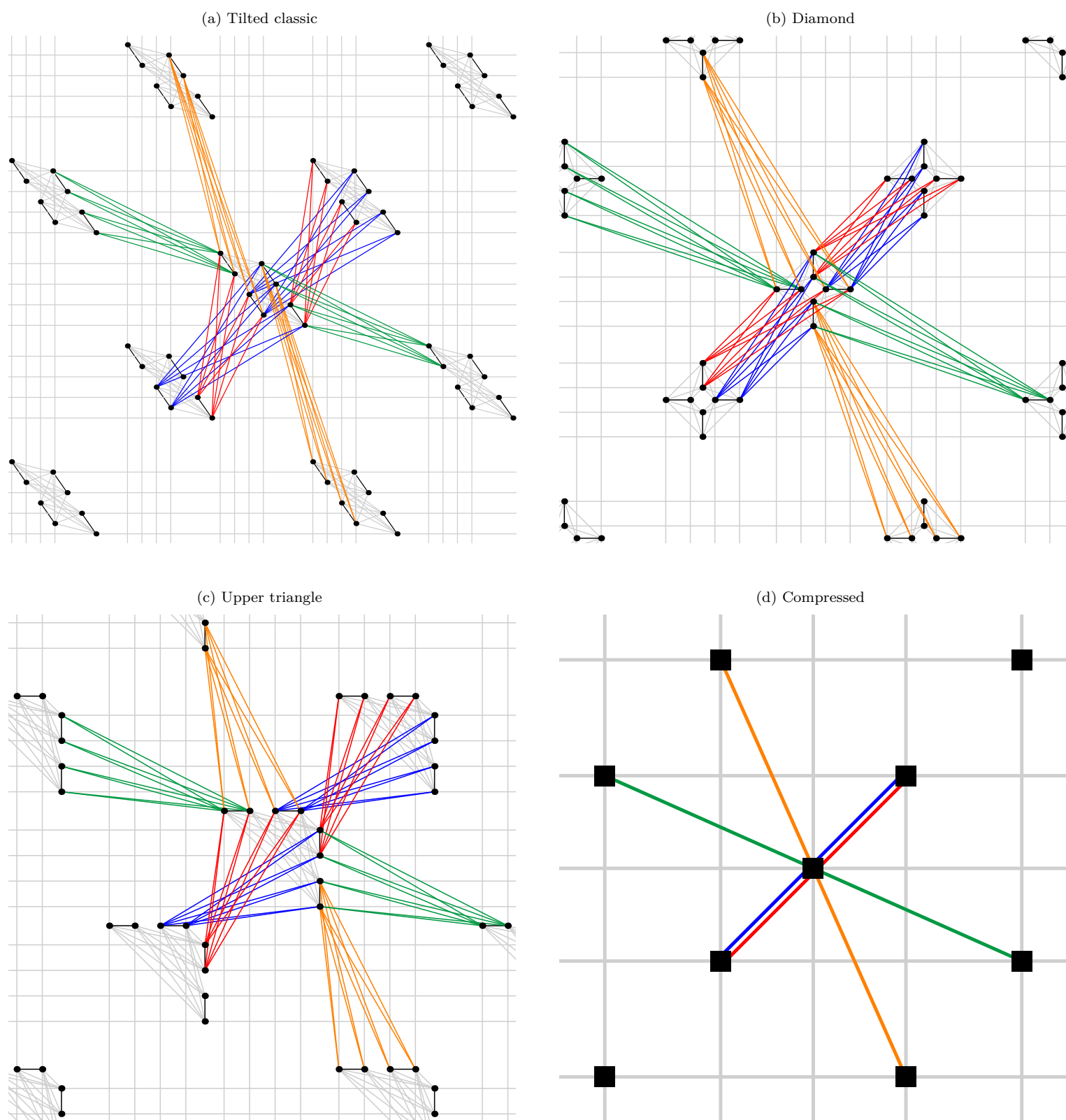
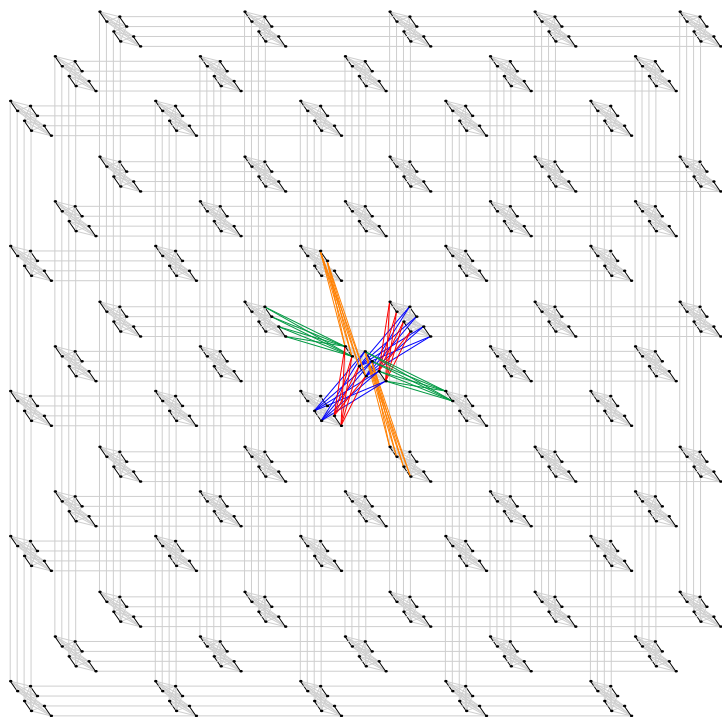
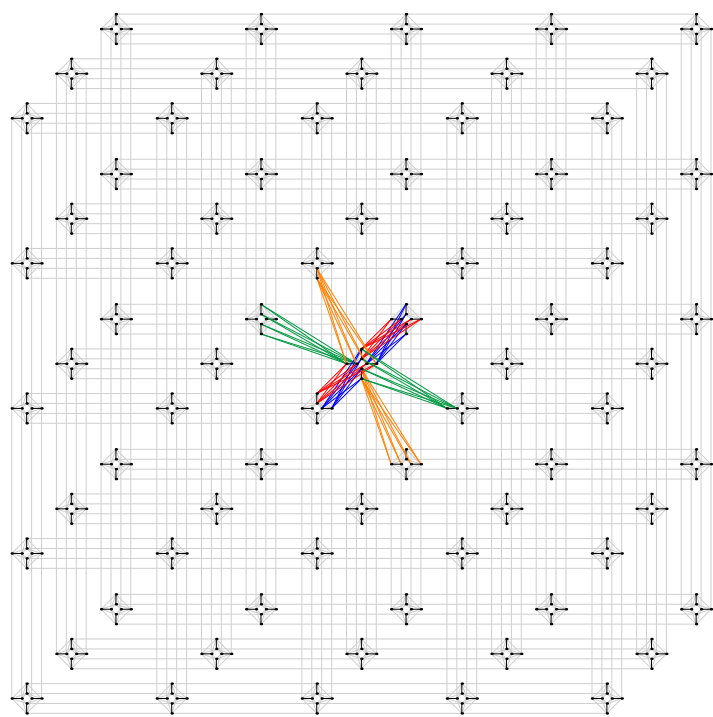


Figure 6: 64 inter-layer edges within an  $(X, Y, Z) = (5, 5, 3)$  lattice (Pegasus).

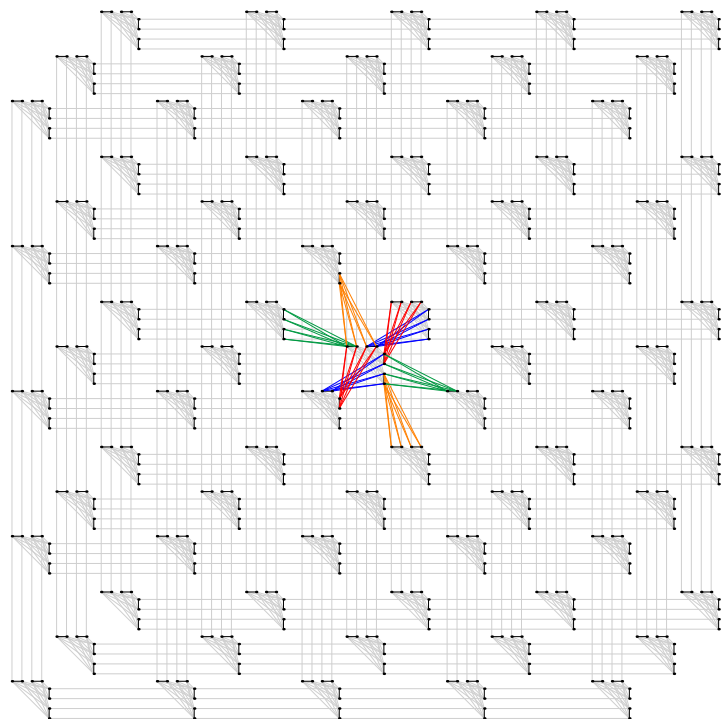
(a) Tilted classic



(b) Diamond



(c) Upper triangle



(d) Compressed

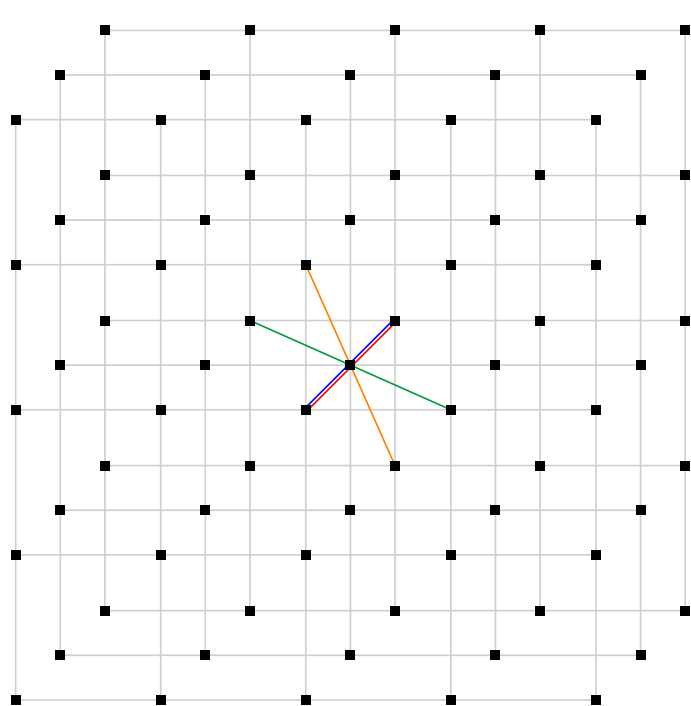
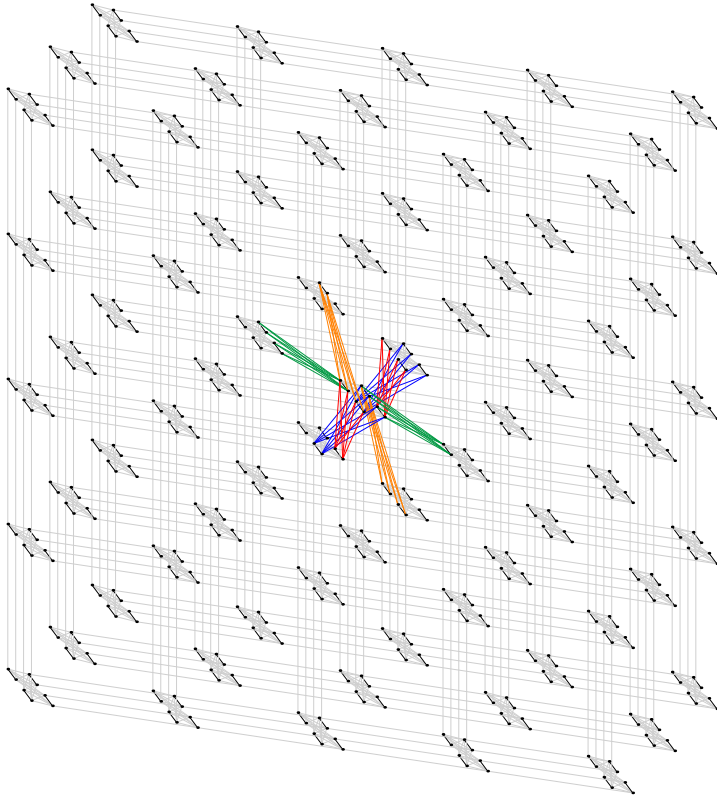
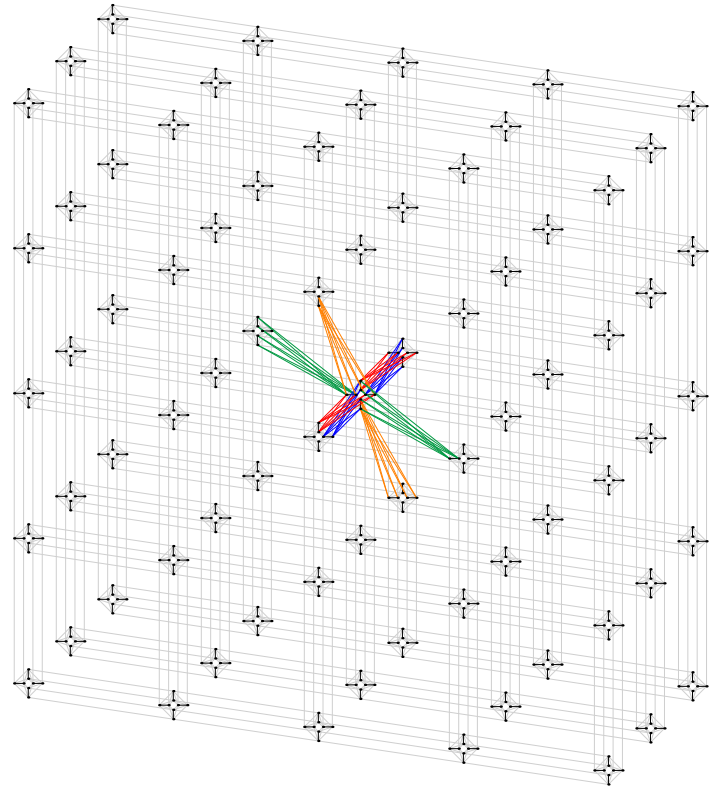


Figure 7: 64 inter-layer edges within a  $(X, Y, Z) = (5, 5, 3)$  *tilted* lattice (Pegasus).

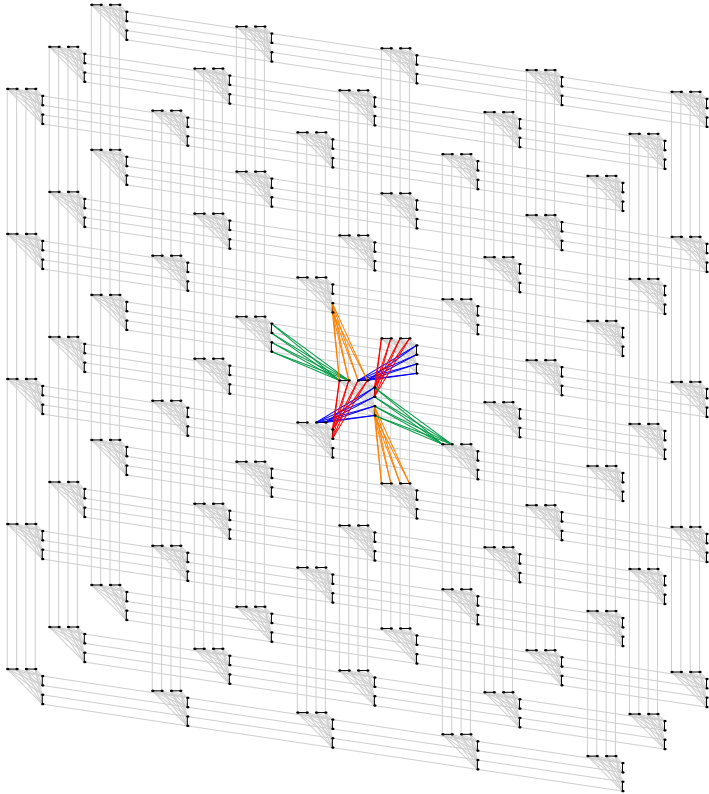
(a) Tilted classic



(b) Diamond



(c) Upper triangle



(d) Compressed

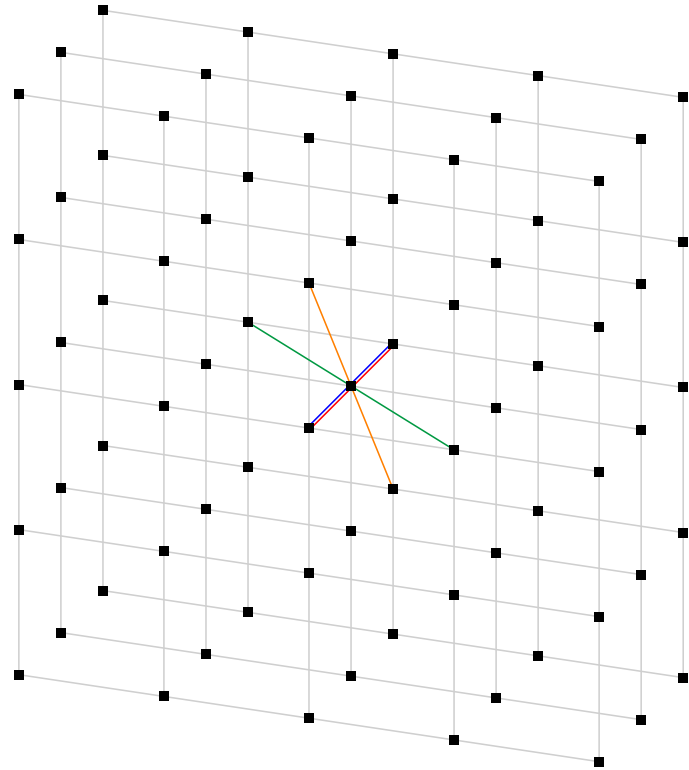
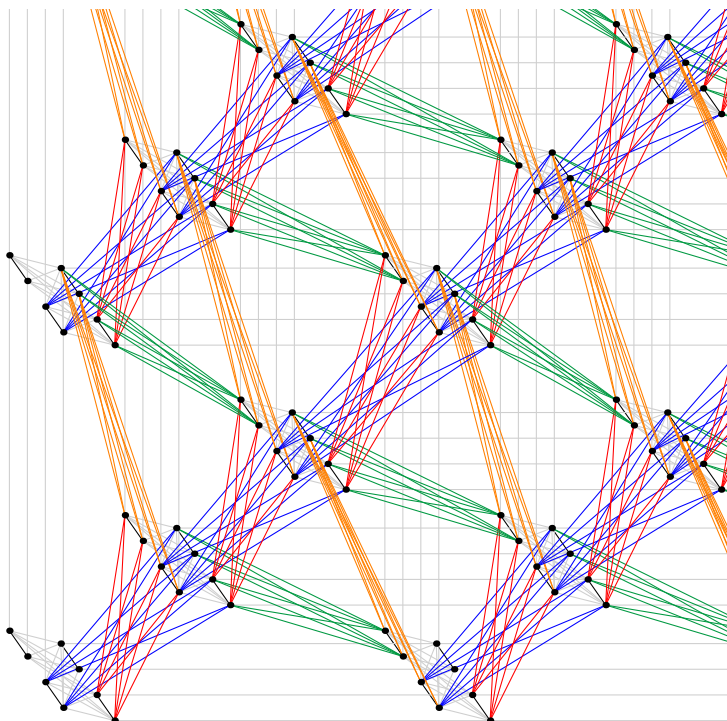
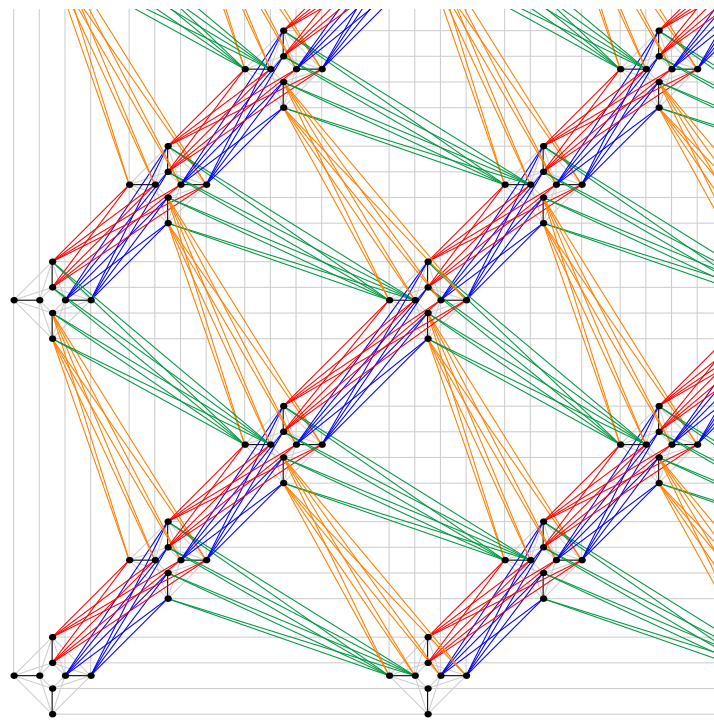


Figure 8:  $(X, Y, Z) = (2, 2, 3)$  patch cropped out of Pegasus.

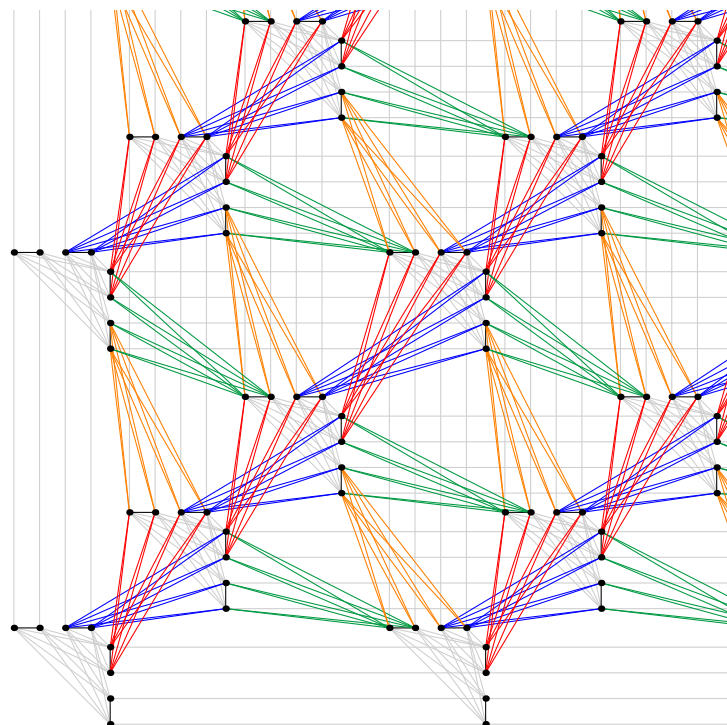
(a) Tilted classic



(b) Diamond



(c) Upper triangle



(d) Compressed

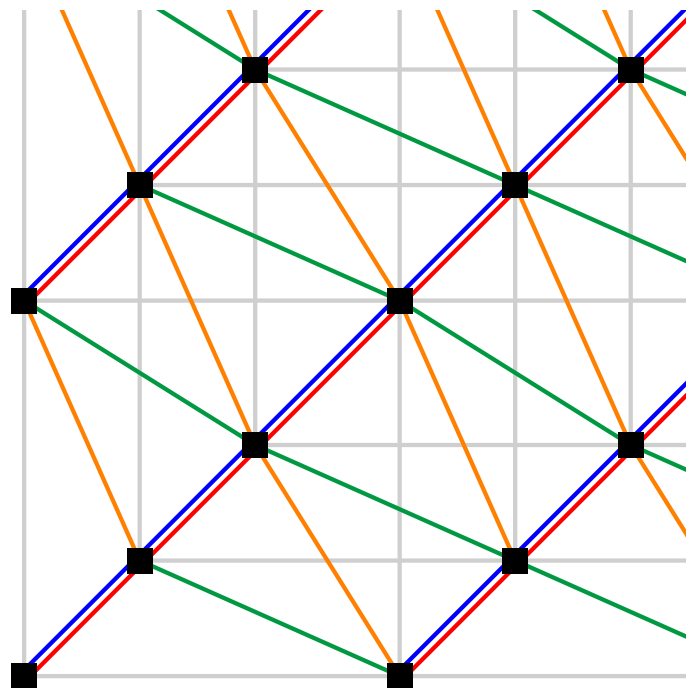
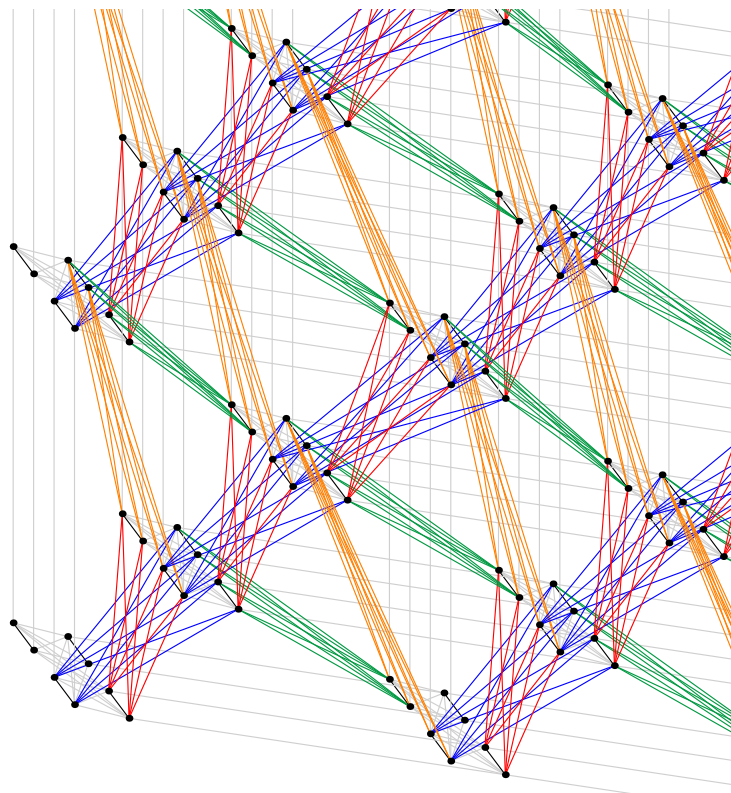


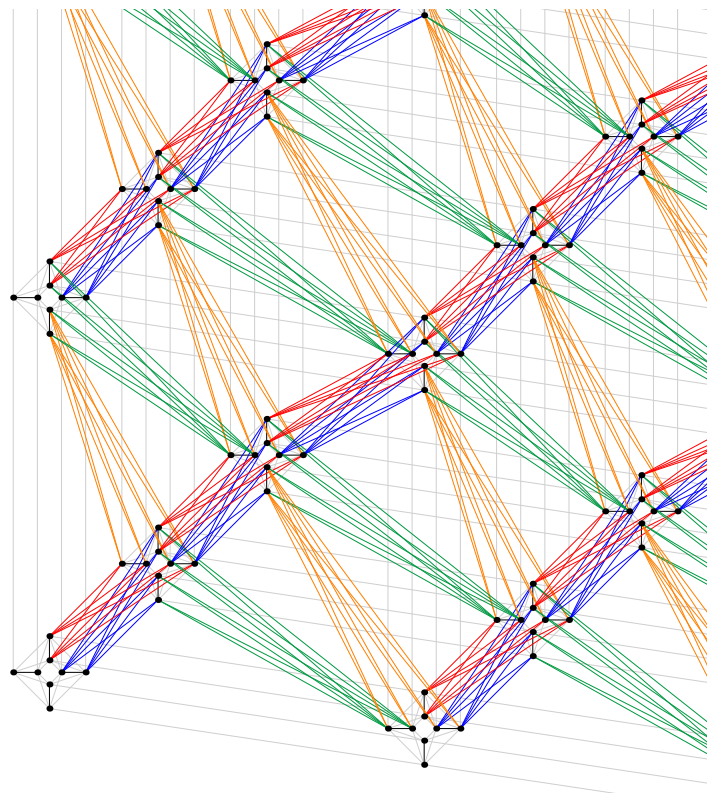


Figure 9:  $(X, Y, Z) = (2, 2, 3)$  patch cropped out of a *tilted* Pegasus

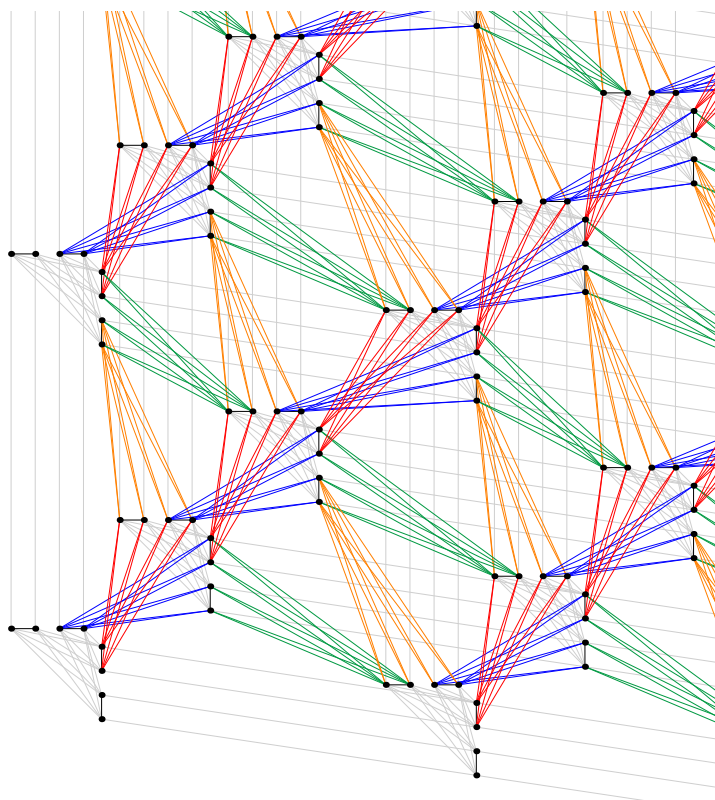
(a) Tilted classic



(b) Diamond



(c) Upper triangle



(d) Compressed

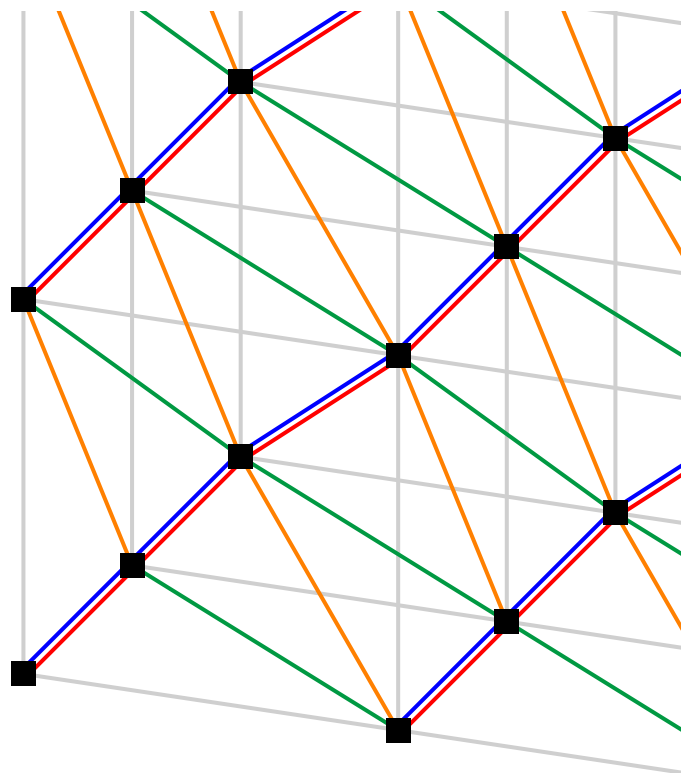
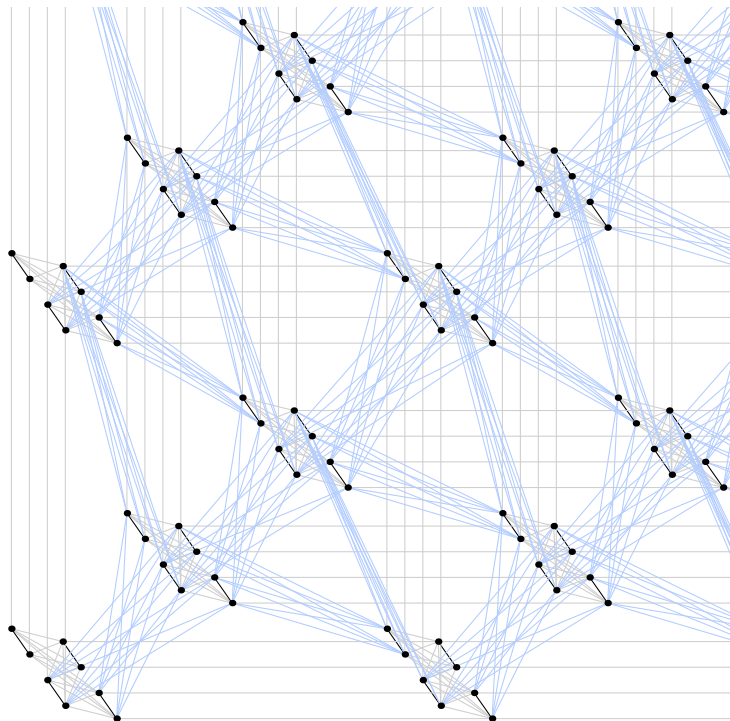
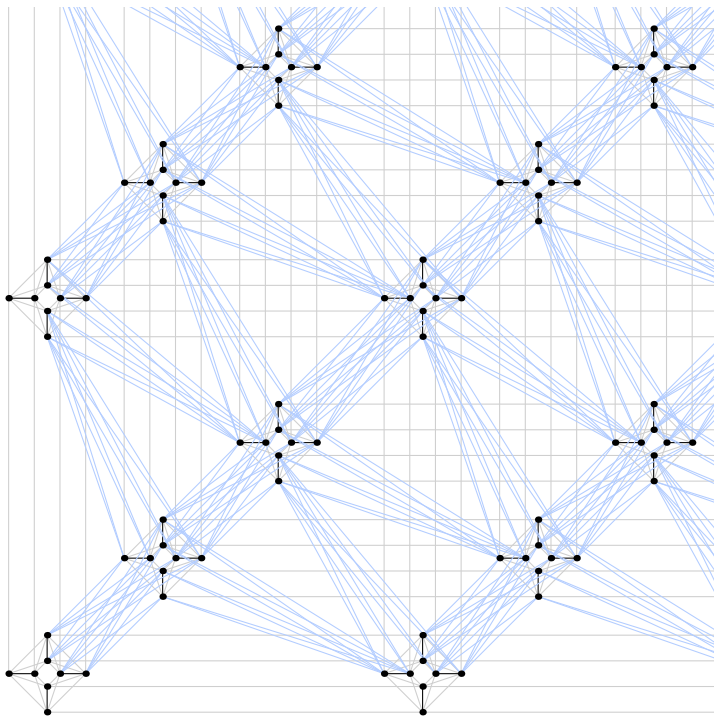


Figure 10:  $(X,Y,Z) = (2,2,3)$  patch cropped out of Pegasus (with all Pegasus-only edges either black or light blue).

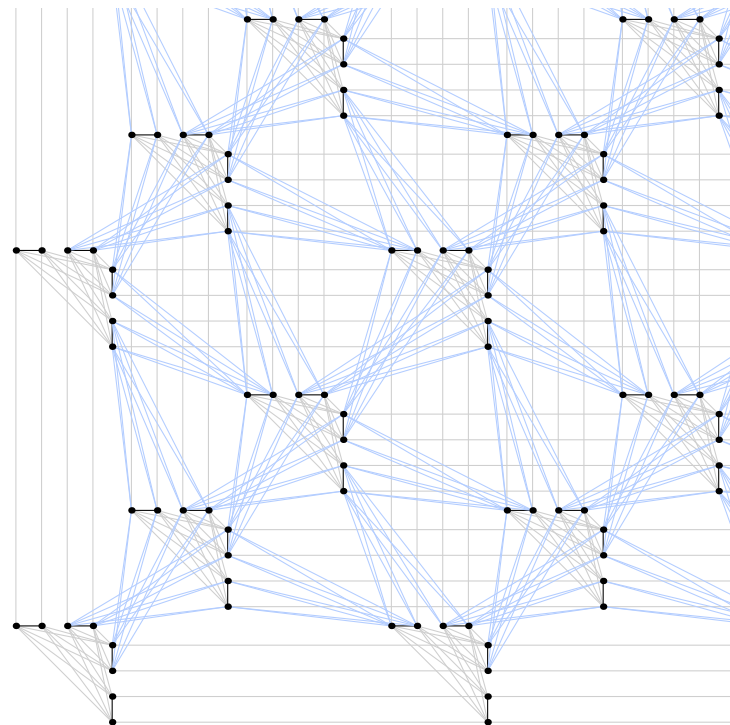
(a) Tilted classic



(b) Diamond



(c) Upper triangle



(d) Compressed

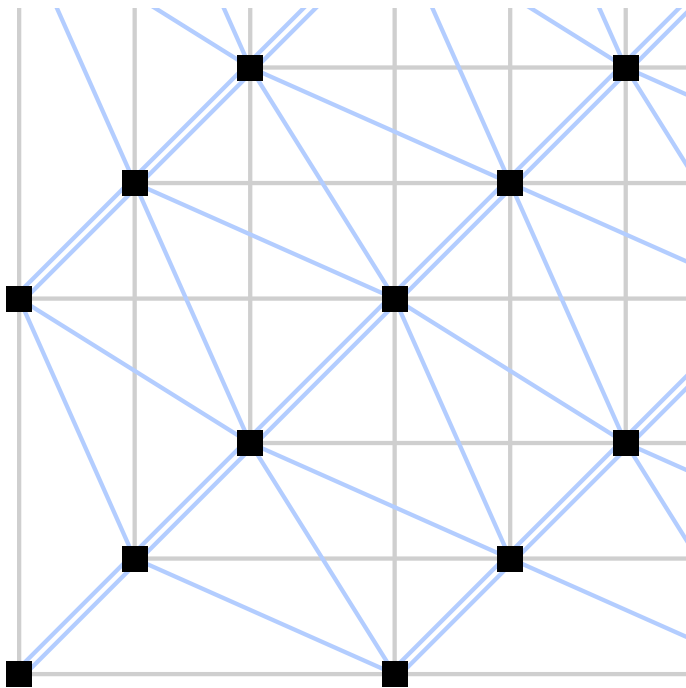
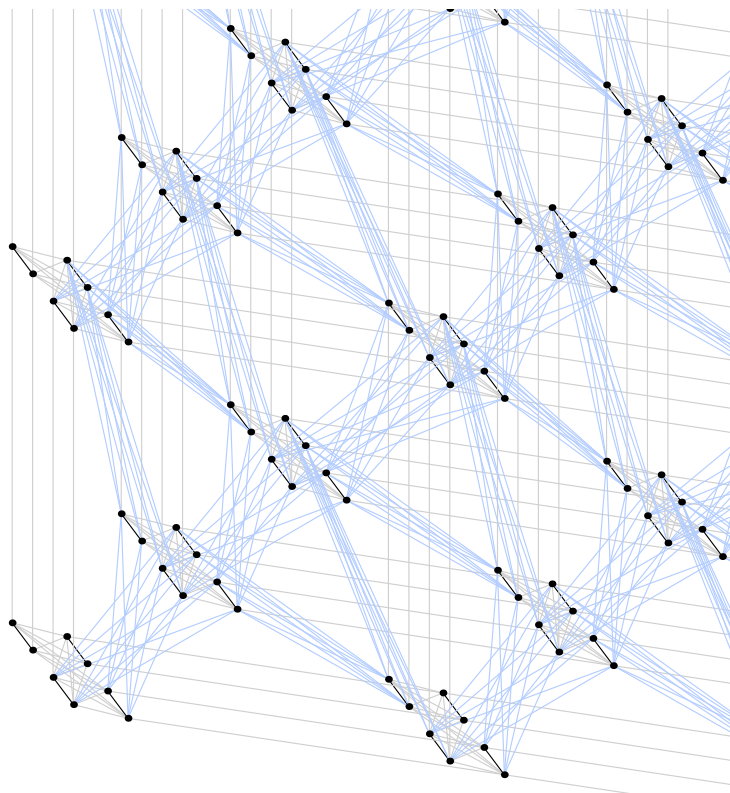
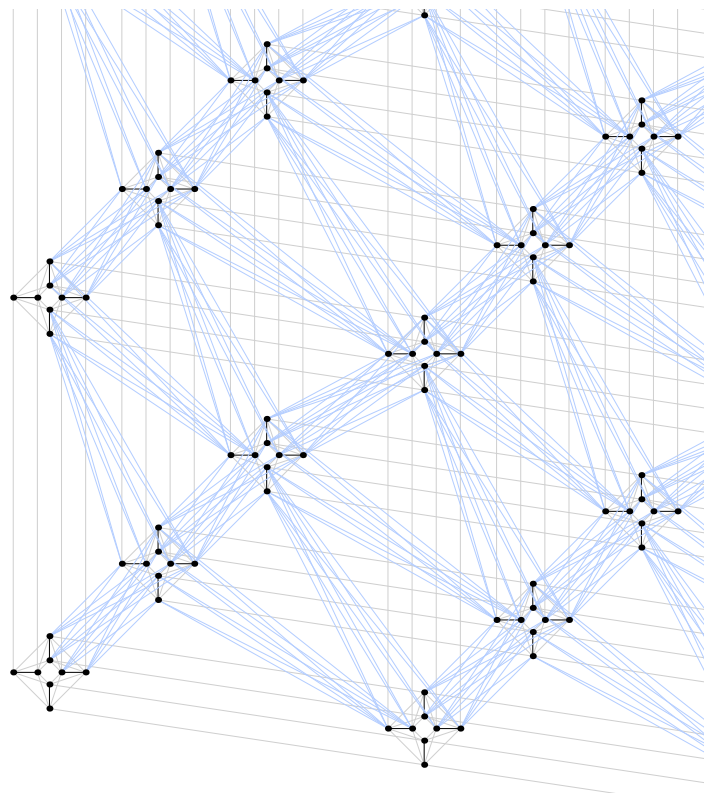


Figure 11:  $(X, Y, Z) = (2, 2, 3)$  patch cropped out of a *tilted* Pegasus (with all Pegasus-only edges either black or light blue).

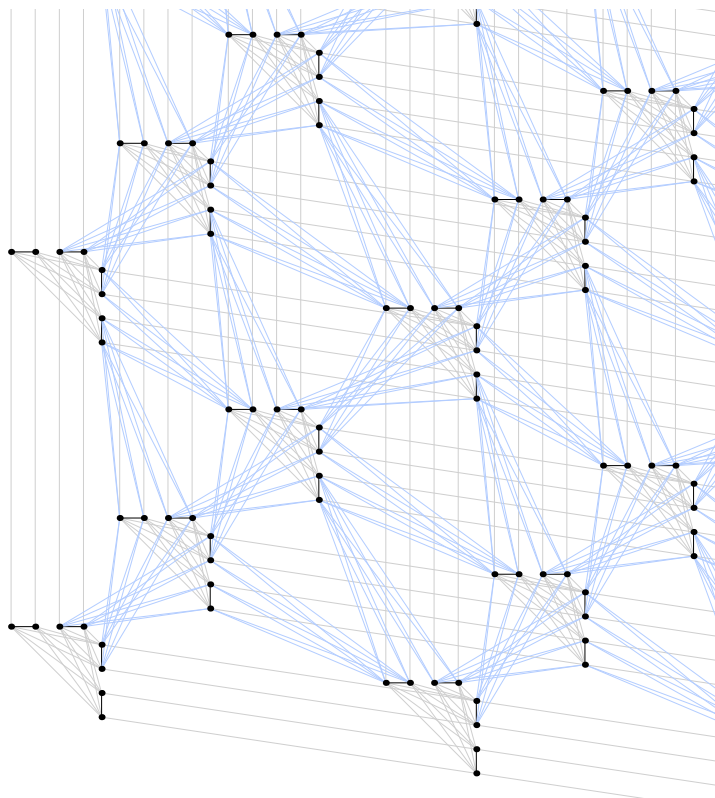
(a) Tilted classic



(b) Diamond



(c) Upper triangle



(d) Compressed

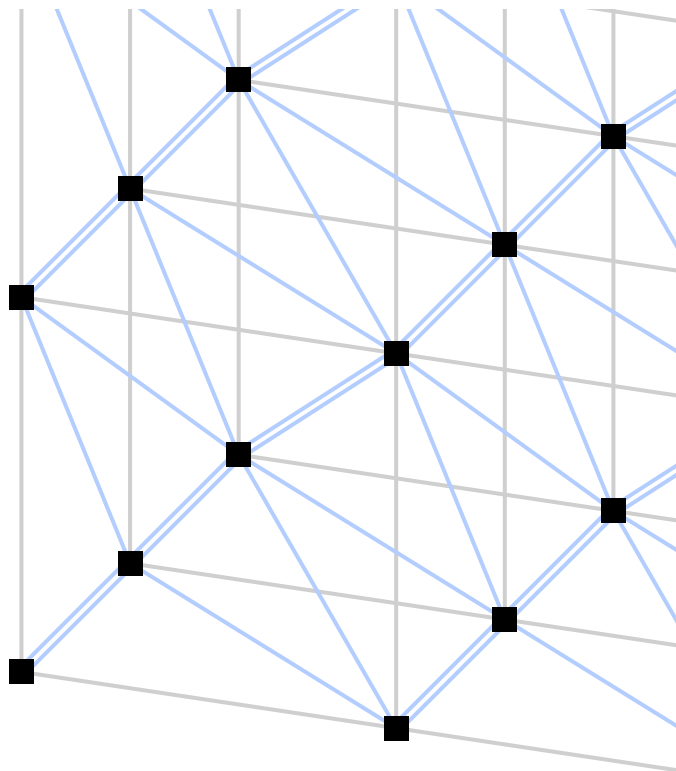
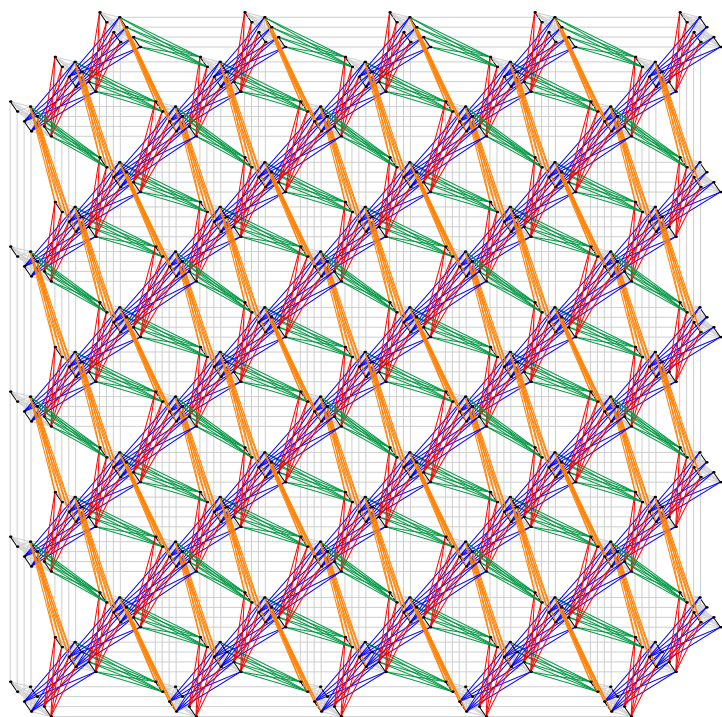


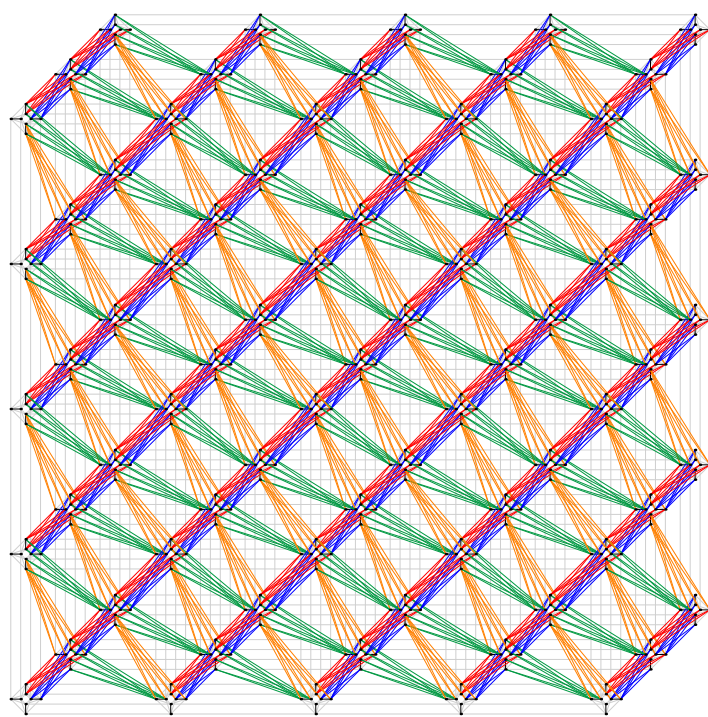


Figure 12:  $(X, Y, Z) = (5, 5, 3)$  lattice of Pegasus.

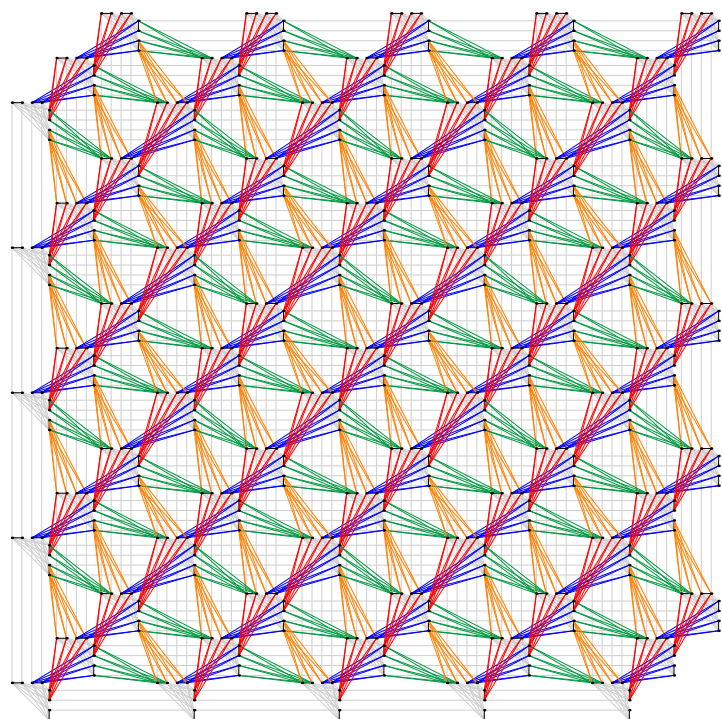
(a) Tilted classic



(b) Diamond



(c) Upper triangle



(d) Compressed

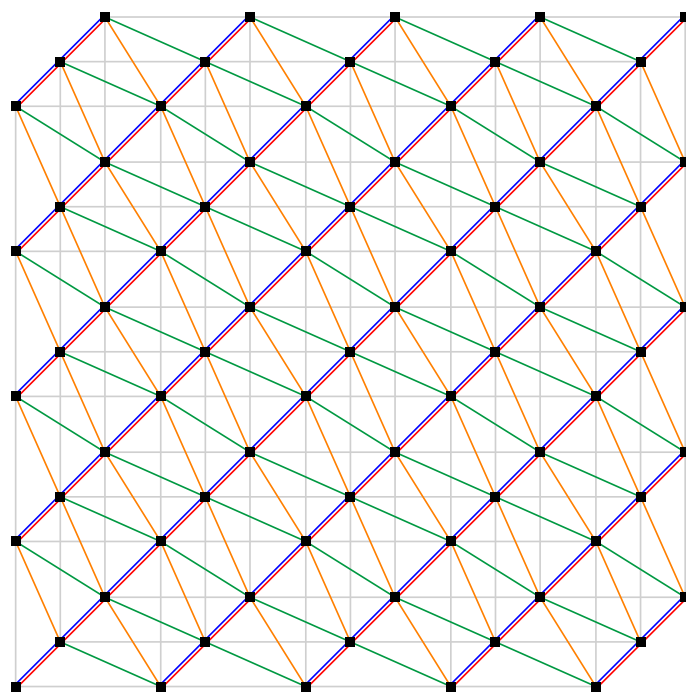
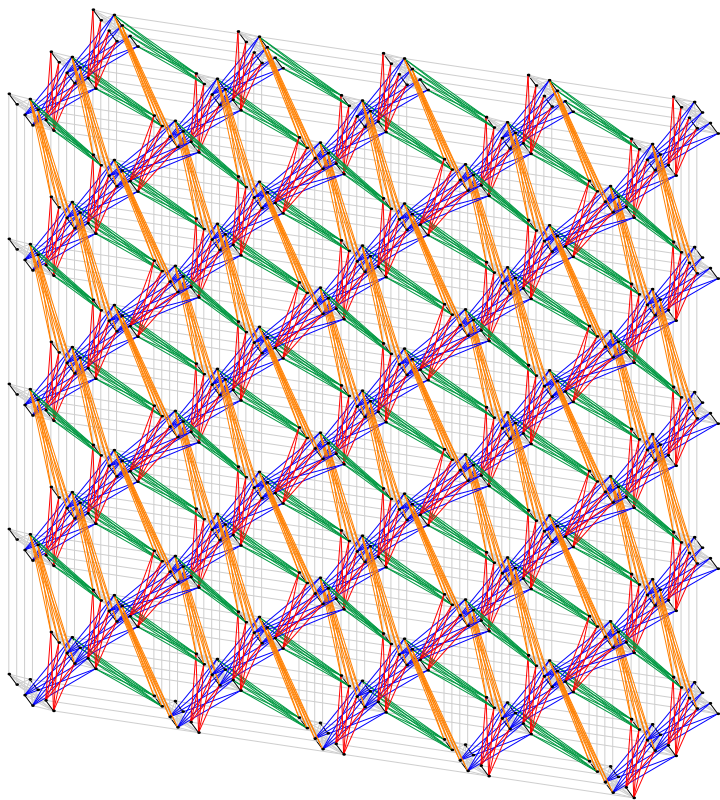


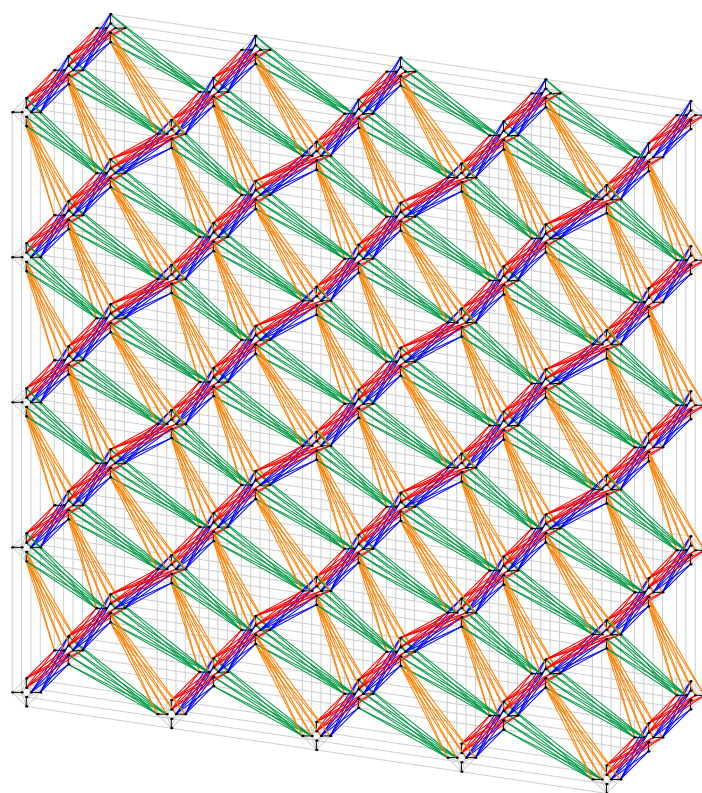


Figure 13:  $(X, Y, Z) = (5, 5, 3)$  *tilted* lattice of Pegasus.

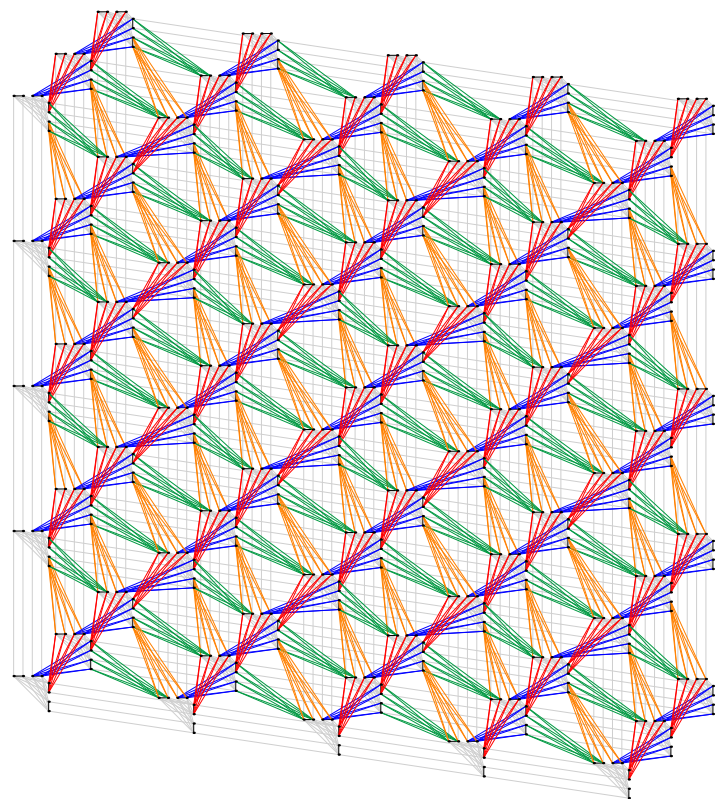
(a) Tilted classic



(b) Diamond



(c) Upper triangle



(d) Compressed

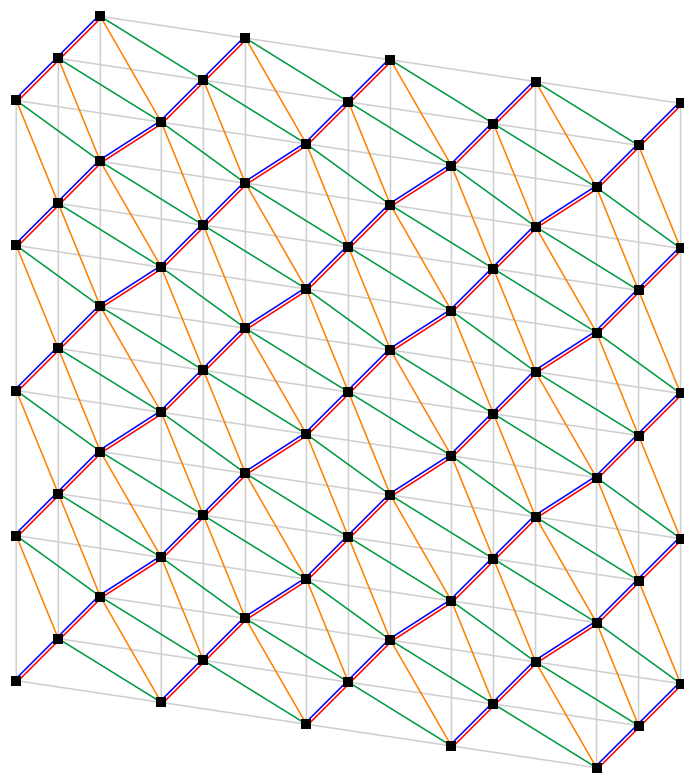
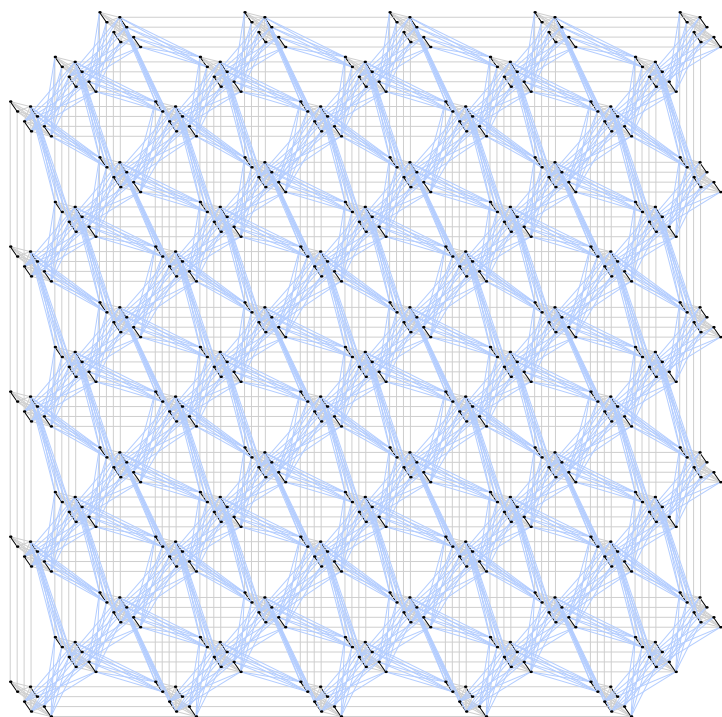


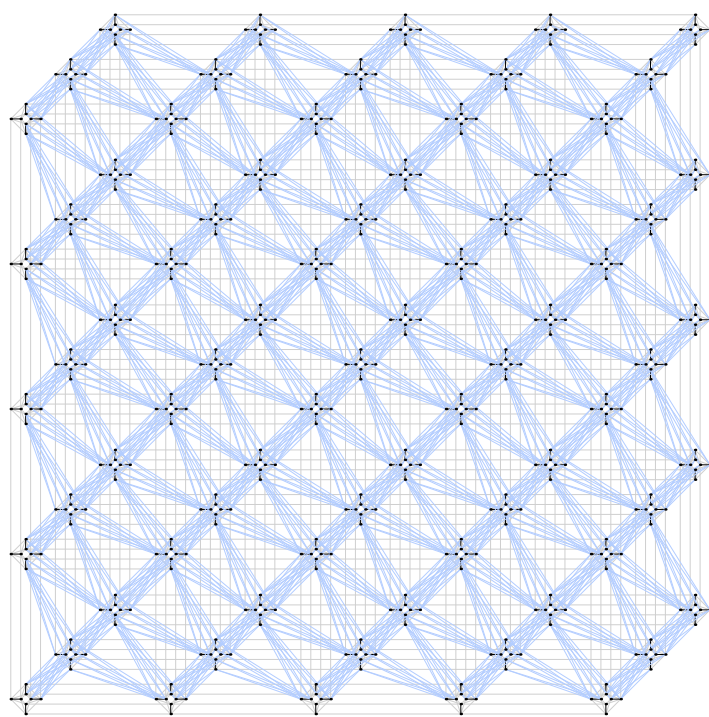


Figure 14:  $(X, Y, Z) = (5, 5, 3)$  lattice of Pegasus (with all Pegasus-only edges either black or light blue).

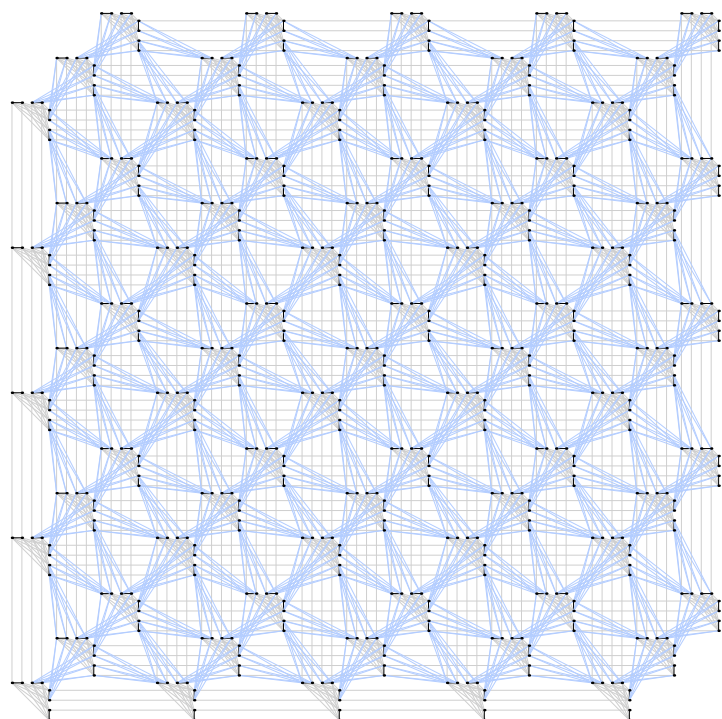
(a) Tilted classic



(b) Diamond



(c) Upper triangle



(d) Compressed

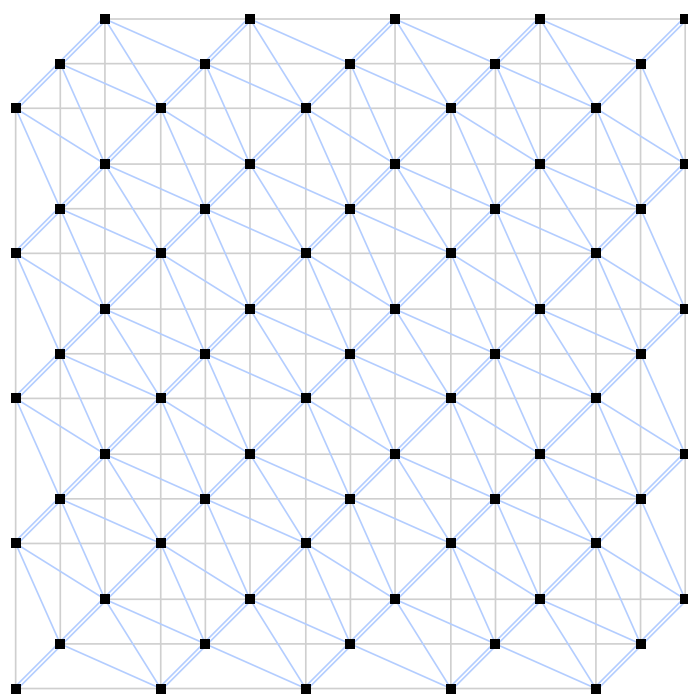
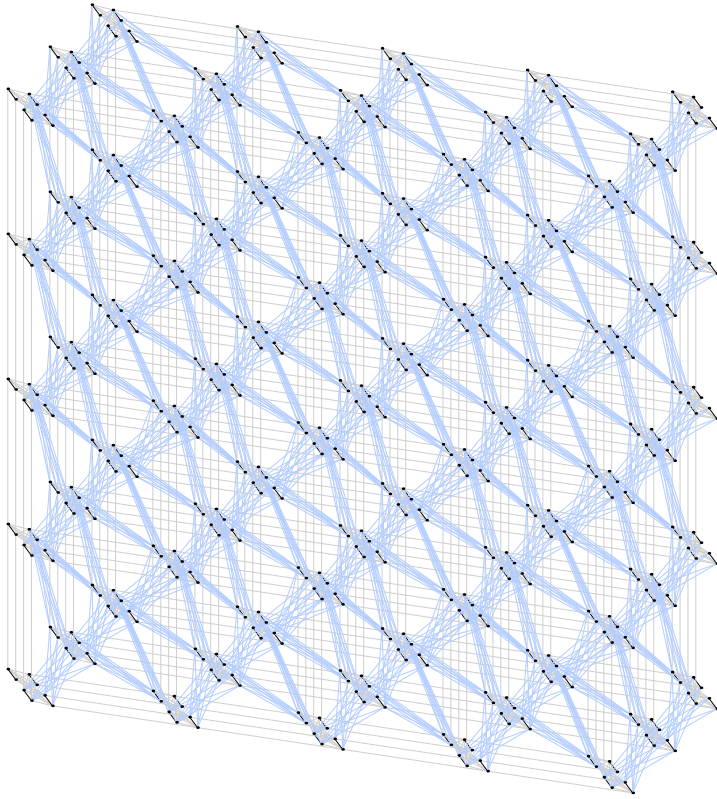
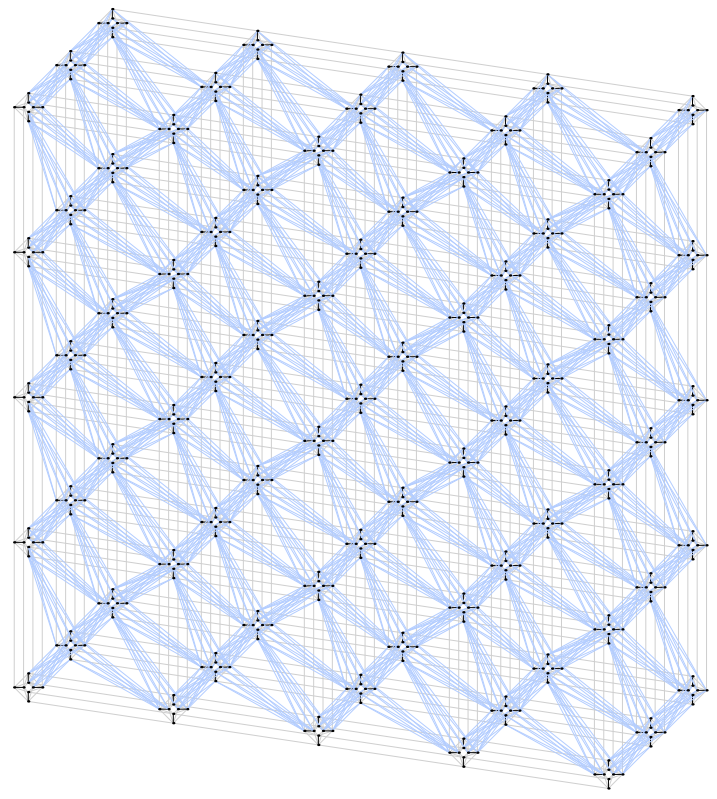


Figure 15:  $(X, Y, Z) = (5, 5, 3)$  *tilted* lattice of Pegasus (with all Pegasus-only edges either black or light blue).

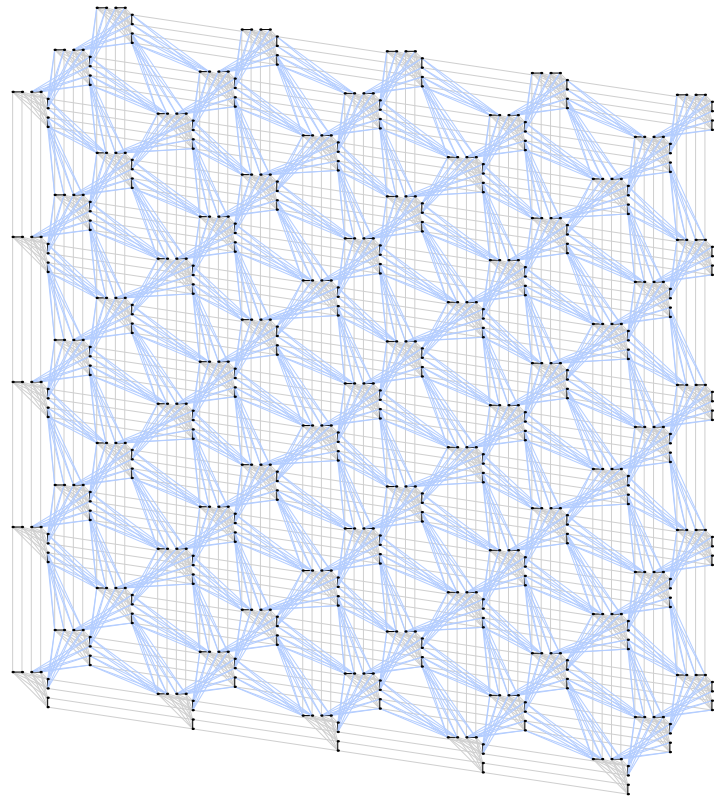
(a) Tilted classic



(b) Diamond



(c) Upper triangle



(d) Compressed

