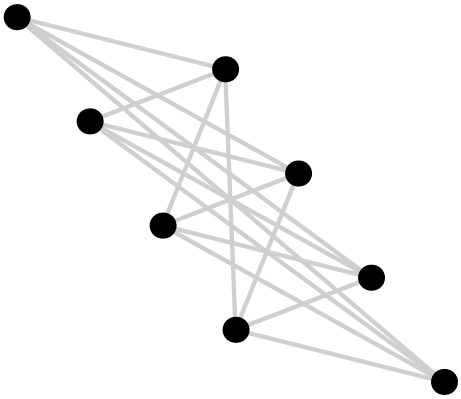
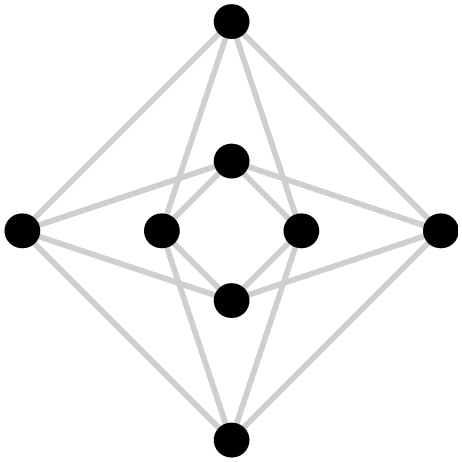
Supplementary Material

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

(a) Tilted classic



(b) Tilted classic



(c) Tilted classic

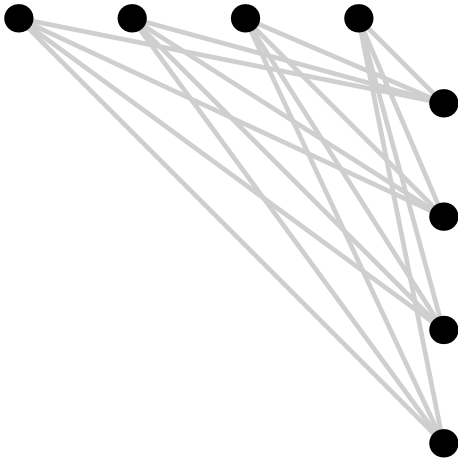
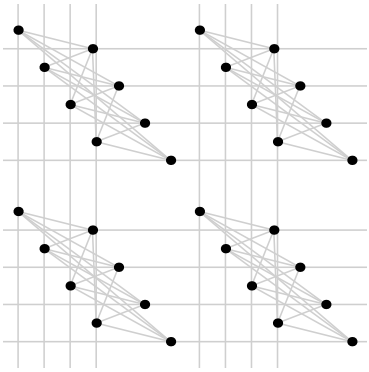
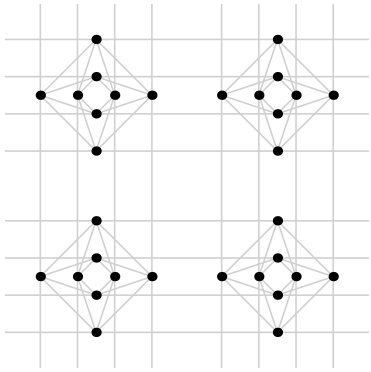


Figure 2: 2×2 arrays of $K_{4,4}$ cells in Chimera formation

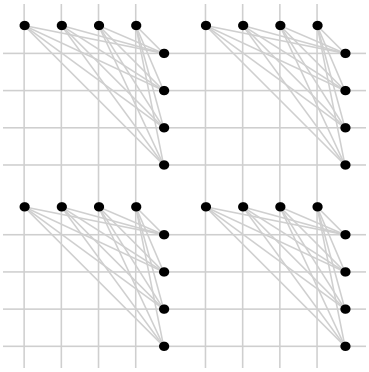
(a) Tilted classic



(b) Diamond



(c) Upper triangle



(d) Compressed

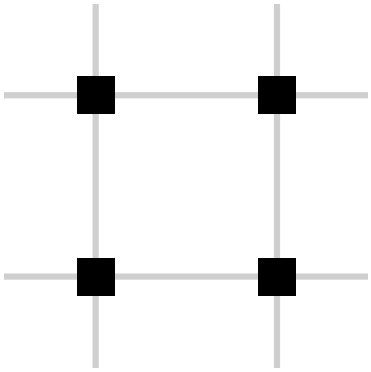
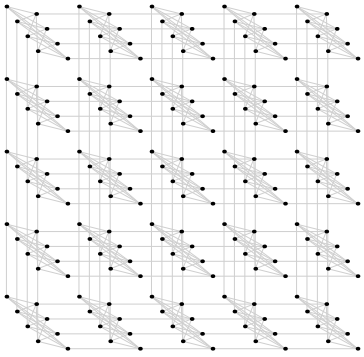
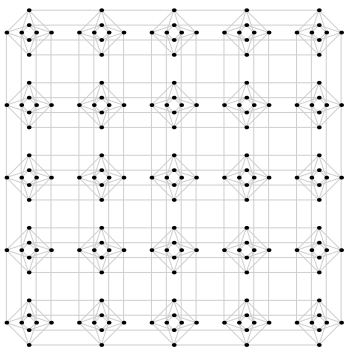


Figure 3: 5×5 arrays of $K_{4,4}$ cells in Chimera formation

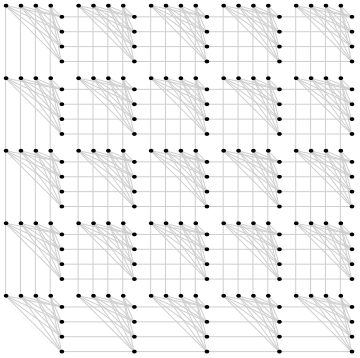
(a) Tilted classic



(b) Diamond



(c) Upper triangle



(d) Compressed

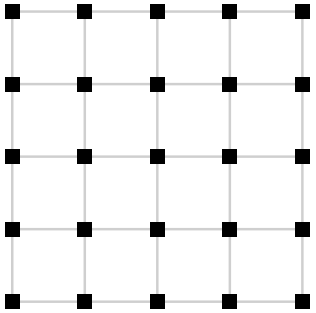
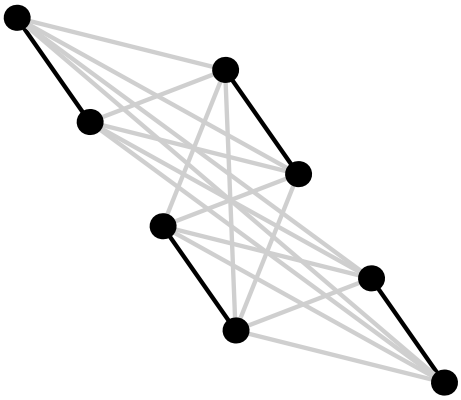
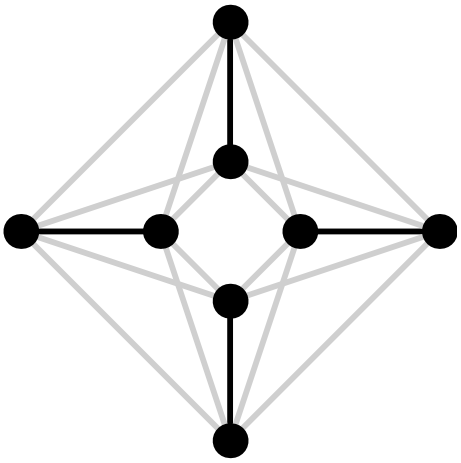


Figure 4: Pegasus unit cells

(a) Tilted classic



(b) Tilted classic



(c) Tilted classic

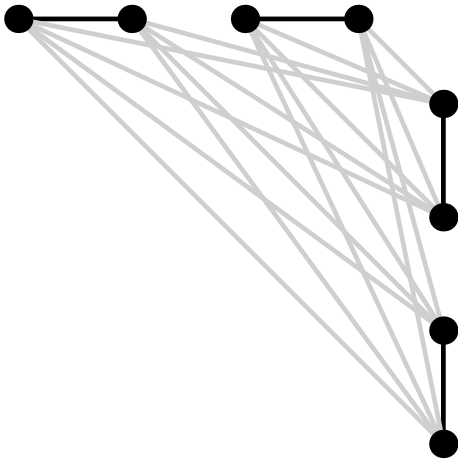
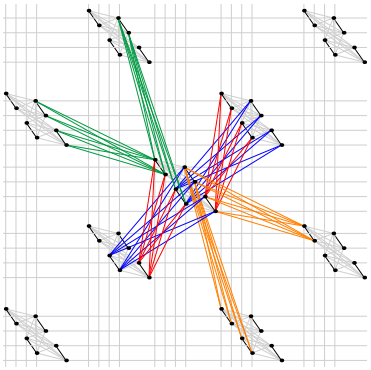
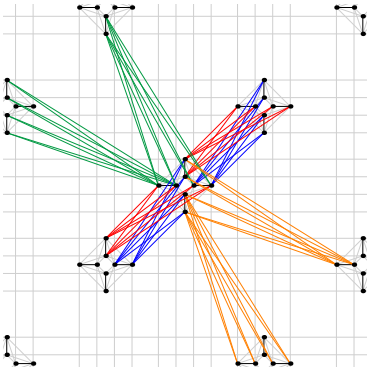


Figure 5: 64 inter-layer edges (Pegasus)

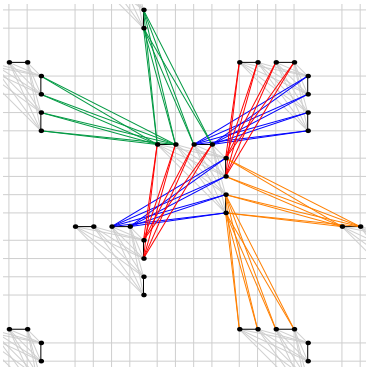
(a) Tilted classic



(b) Diamond



(c) Upper triangle



(d) Compressed

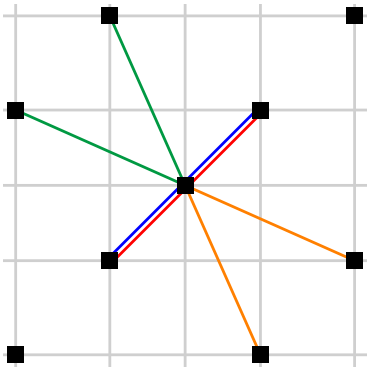
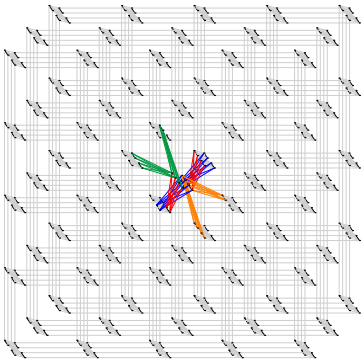
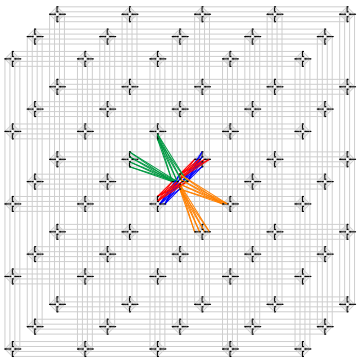


Figure 6: 64 inter-layer edges within an $(X, Y, Z) = (5, 5, 3)$ lattice (Pegasus).

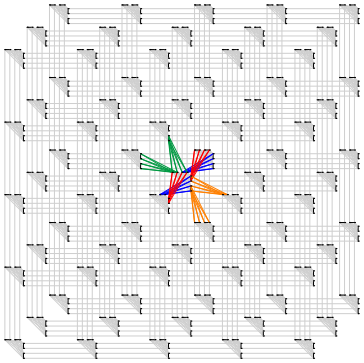
(a) Tilted classic



(b) Diamond



(c) Upper triangle



(d) Compressed

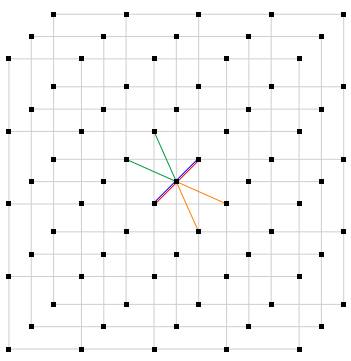


Figure 7: 64 inter-layer edges within a *tilted* $(X, Y, Z) = (5, 5, 3)$ lattice (Pegasus).

(a) Tilted classic (b) Diamond (c) Upper triangle (d) Compressed

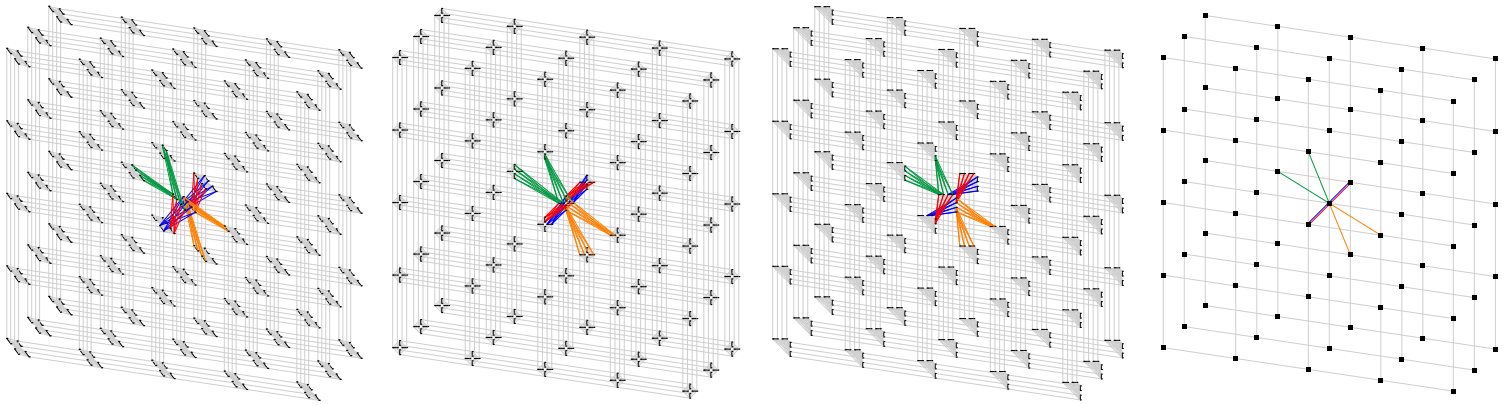


Figure 8: $(X, Y, Z) = (2, 2, 3)$ patch cropped out of Pegasus

(a) Tilted classic (b) Diamond (c) Upper triangle (d) Compressed

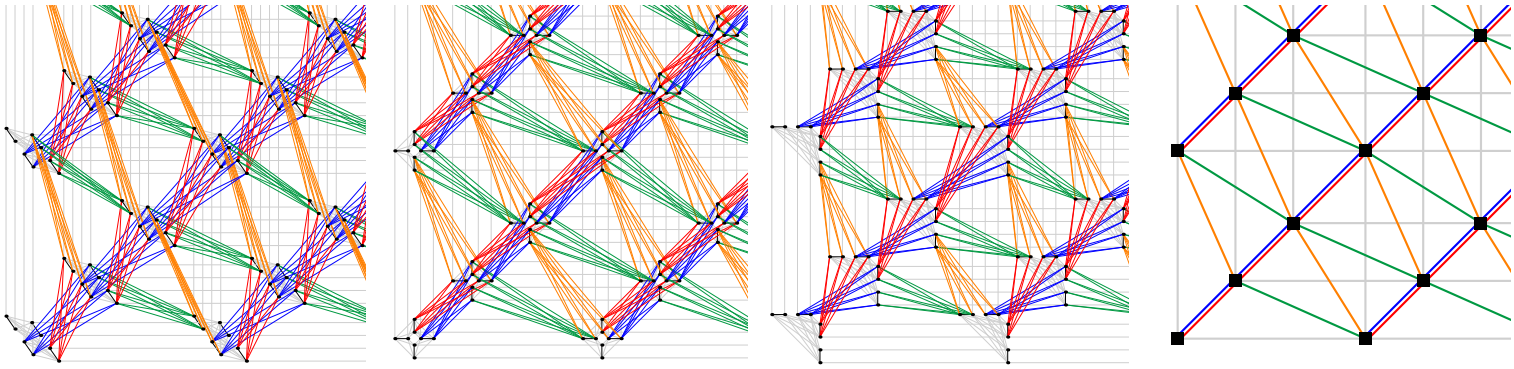


Figure 9: $(X, Y, Z) = (2, 2, 3)$ patch cropped out of Pegasus

(a) Tilted classic (b) Diamond (c) Upper triangle (d) Compressed

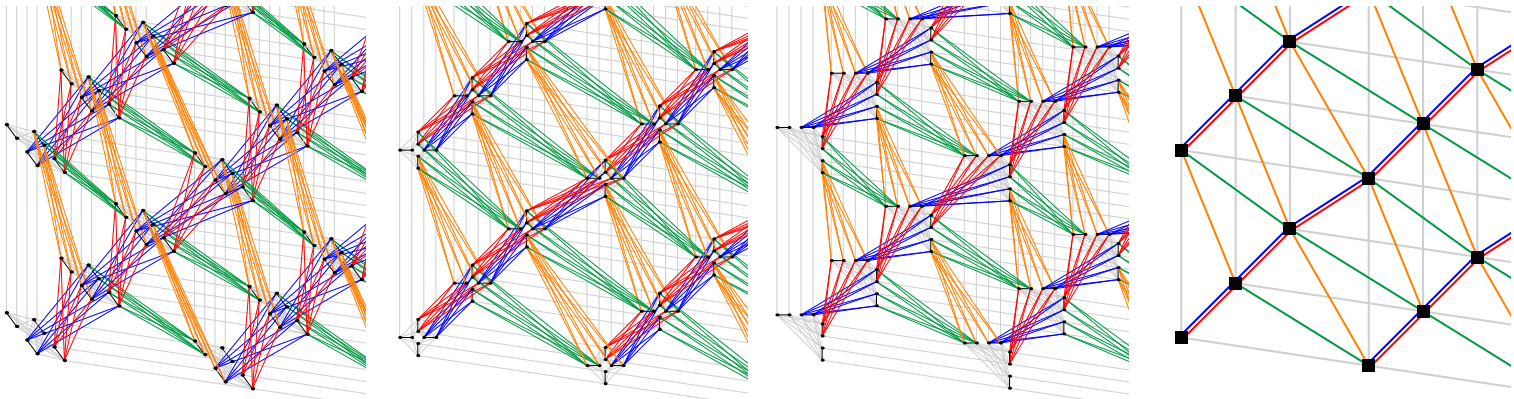


Figure 10: $(X, Y, Z) = (2, 2, 3)$ patch cropped out of Pegasus (with all Pegasus-only edges either black or light blue).

(a) Tilted classic (b) Diamond (c) Upper triangle (d) Compressed

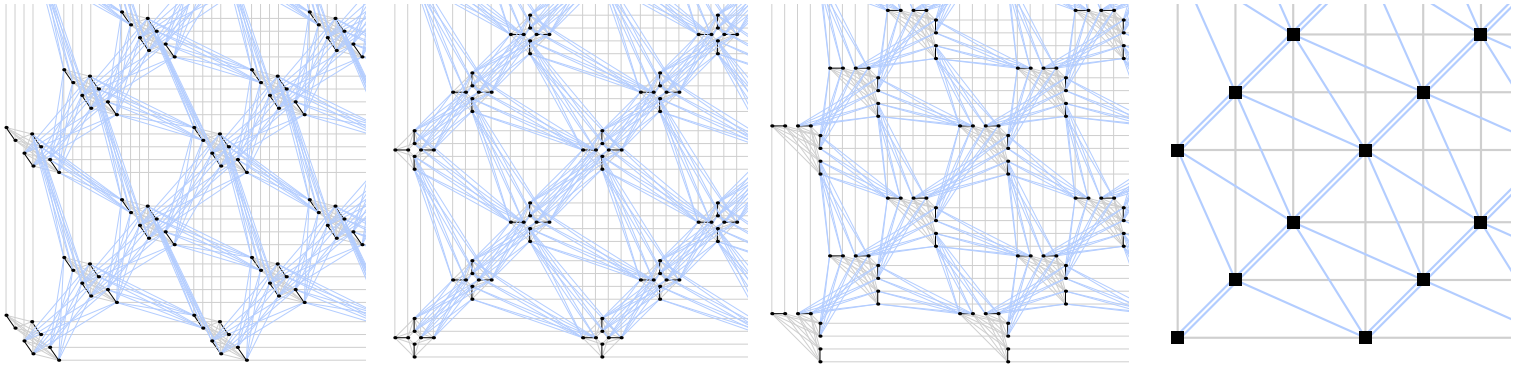


Figure 11: $(X, Y, Z) = (2, 2, 3)$ patch cropped out of Pegasus (with all Pegasus-only edges either black or light blue).

(a) Tilted classic (b) Diamond (c) Upper triangle (d) Compressed

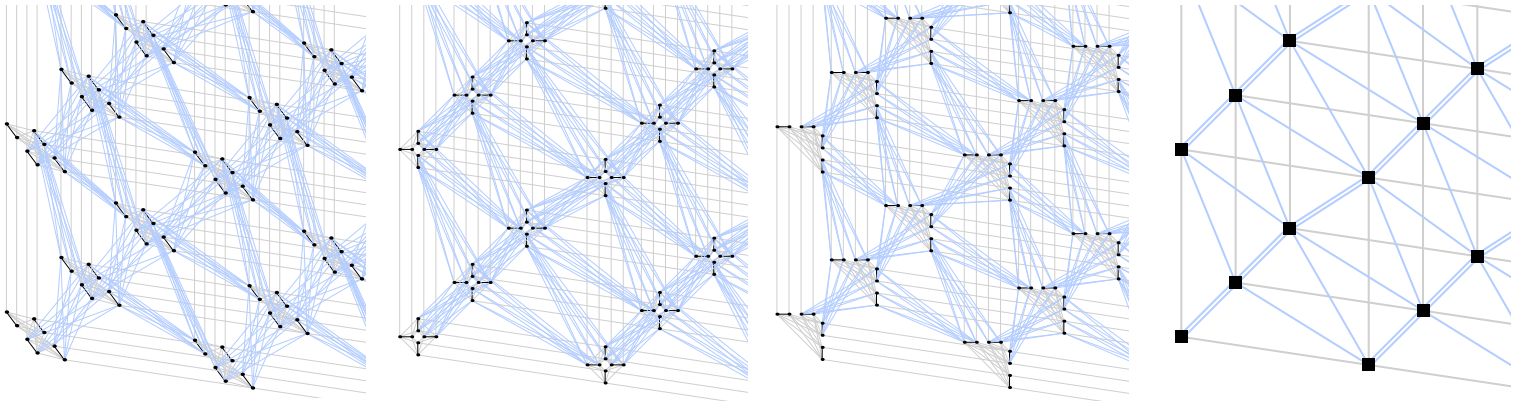


Figure 12: $(X, Y, Z) = (5, 5, 3)$ lattice of Pegasus.

(a) Tilted classic (b) Diamond (c) Upper triangle (d) Compressed

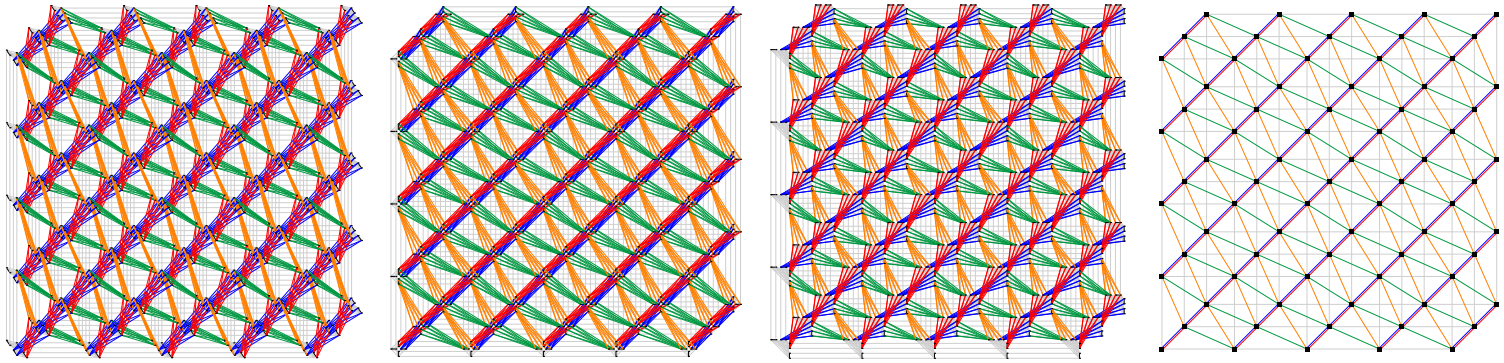


Figure 13: $(X, Y, Z) = (5, 5, 3)$ lattice of Pegasus.

(a) Tilted classic (b) Diamond (c) Upper triangle (d) Compressed

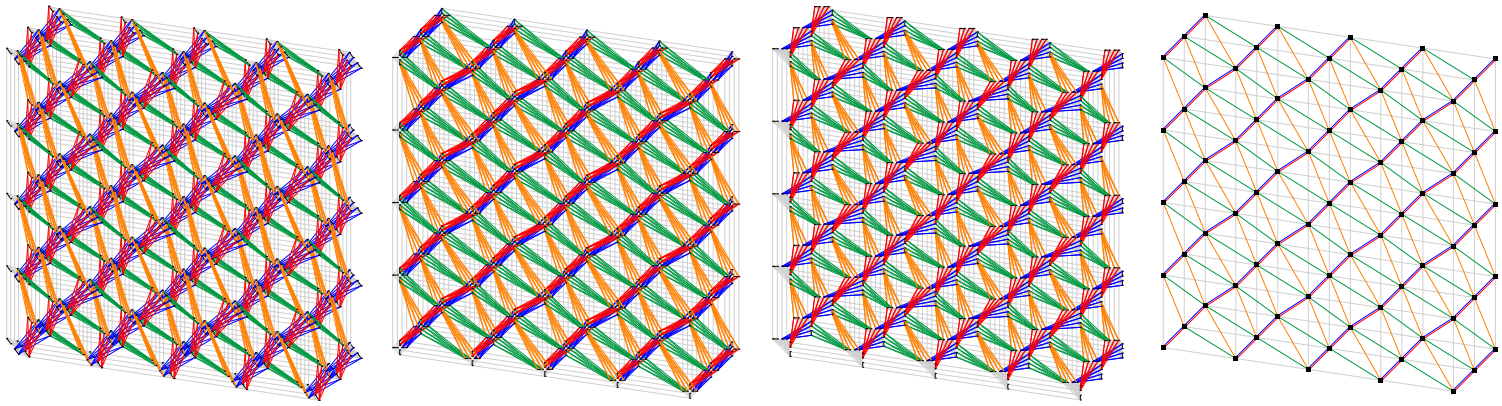


Figure 14: $(X, Y, Z) = (5, 5, 3)$ lattice of Pegasus (with all Pegasus-only edges either black or light blue).

(a) Tilted classic (b) Diamond (c) Upper triangle (d) Compressed

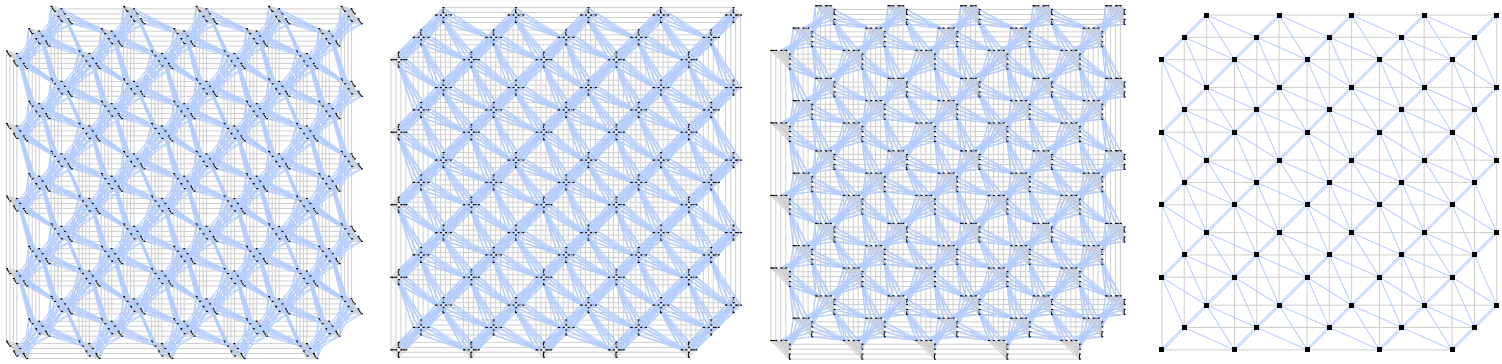


Figure 15: $(X, Y, Z) = (5, 5, 3)$ *tilted* lattice of Pegasus (with all Pegasus-only edges either black or light blue).

(a) Tilted classic (b) Diamond (c) Upper triangle (d) Compressed