

Figure 1: pegasus_v_chimera_uc.tikz: shows extra edges added to chimera unit cell to make Pegasus unit cell

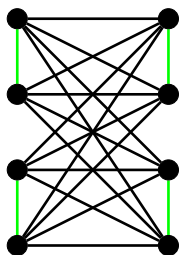


Figure 2: pegasus_v_chimera_uc_k44.tikz: shows extra edges added to chimera unit cell to make Pegasus unit cell

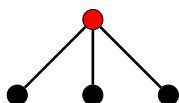


Figure 3: all_to_aux.tikz

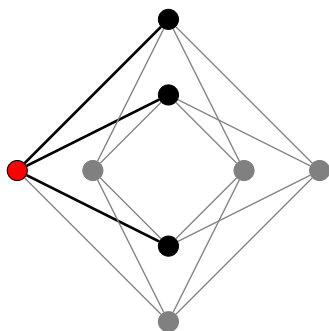


Figure 4: all_to_aux_chimera.tikz

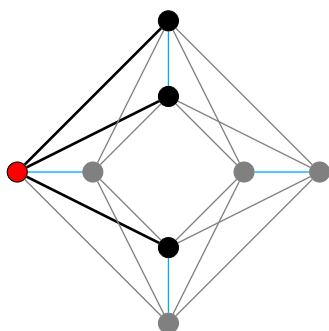


Figure 5: all_to_aux_pegasus.tikz

Gadgets with adjacency graph corresponding to all_to_aux.tikz($\bullet \nearrow \bullet \nwarrow \bullet$):

- NTR-KZFD
- NTR-ABCG

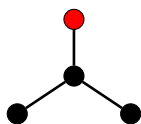


Figure 6: logical_fork.tikz

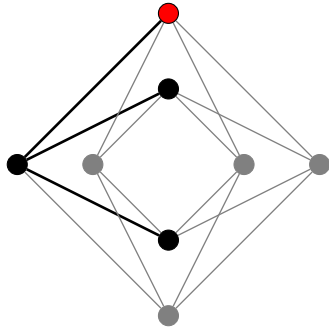


Figure 7: logical_fork_chimera.tikz

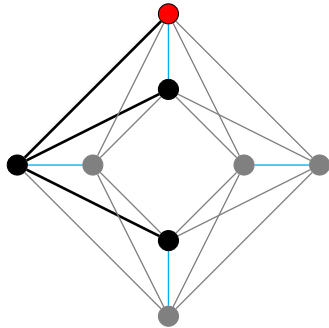


Figure 8: logical_fork_pegasus.tikz

Gadgets with adjacency graph corresponding to logical_fork.tikz():

- NTR-ABCB

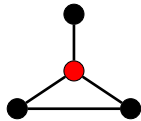


Figure 9: k4_missing_2edge.tikz

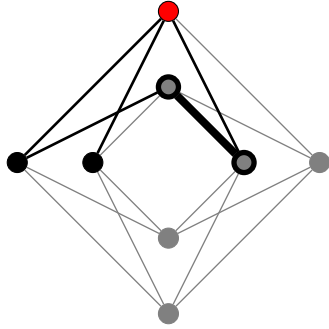


Figure 10: k4_missing_2edge_chimera.tikz

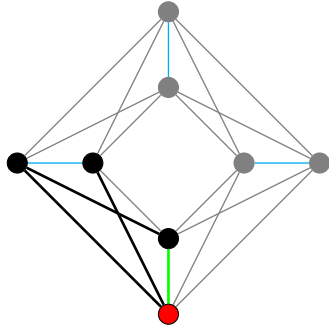


Figure 11: k4_missing_2edge_pegasus.tikz

Gadgets with adjacency graph corresponding to k4_missing_2edge.tikz(

- Asymmetric reduction

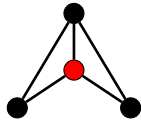


Figure 12: k4_missing_edge.tikz

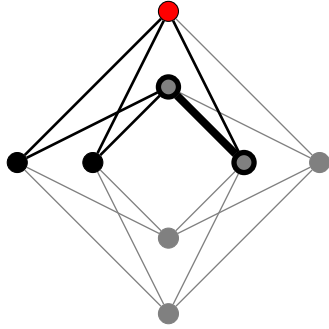


Figure 13: k4_missing_edge_chimera.tikz

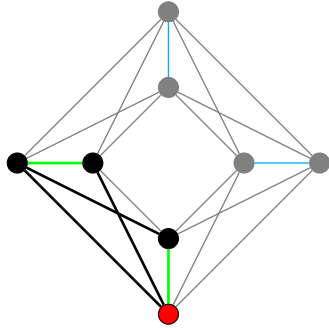


Figure 14: k4_missing_edge_pegasus.tikz

Gadgets with adjacency graph corresponding to $k4_missing_edge.tikz(\text{red node})$:

- Asymmetric cubic reduction

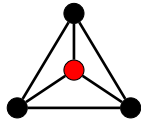


Figure 15: k4.tikz

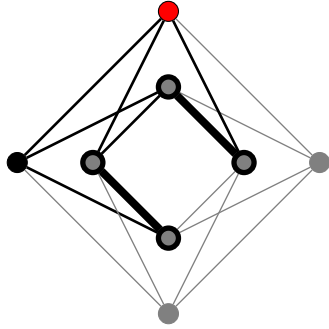


Figure 16: k4_chimera.tikz

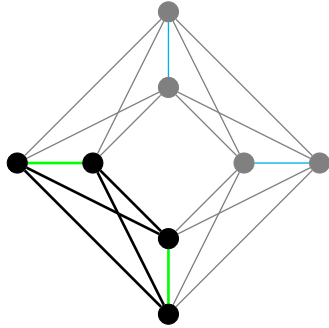


Figure 17: k4_pegasus.tikz

Gadgets with adjacency graph corresponding to $k4.tikz(\triangleleft)$:

- PTR-Ishikawa
- PTR-BCR (1-4)
- PTR-KZ
- Z version of PTR-KZ

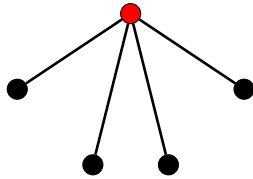


Figure 18: all_to_aux4.tikz

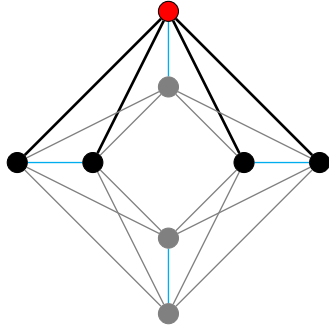


Figure 19: all_to_aux4.inPegasus.tikz

Gadgets with adjacency graph corresponding to all_to_aux4.tikz():

- NTR-KZFD

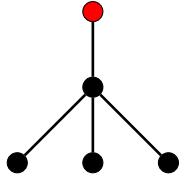


Figure 20: logical_fork3.tikz

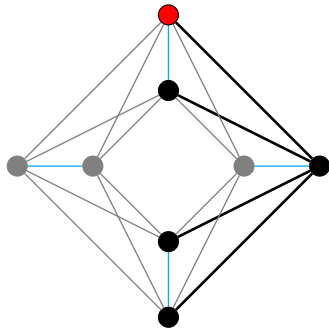


Figure 21: logical_fork3.inPegasus.tikz

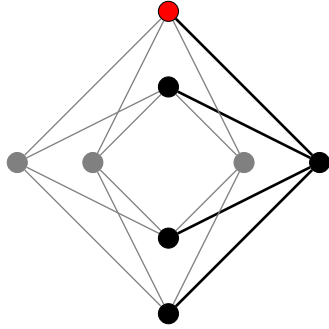


Figure 22: logical_fork3_inChimera.tikz

Gadgets with adjacency graph corresponding to logical_fork3.tikz():

- NTR-ABCB

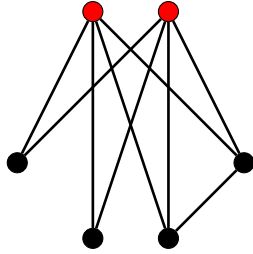


Figure 23: 2aux_to_all4_1conn.tikz

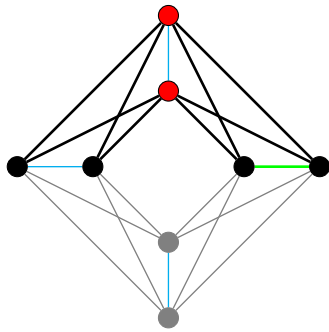


Figure 24: 2aux_to_all4_1conn_inPegasus.tikz

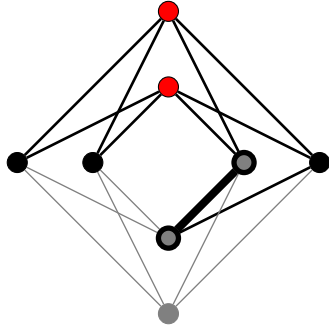



Figure 25: 2aux_to_all4_1conn.inChimera.tikz

Gadgets with adjacency graph corresponding to 2aux_to_all4_1conn.tikz():

- positive term reduction

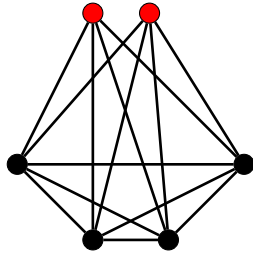


Figure 26: 2aux_to_all4_allConn.tikz

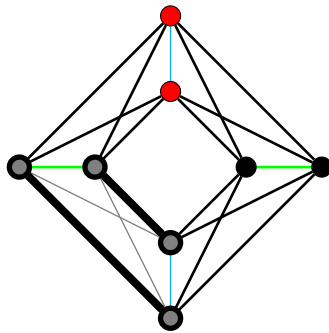



Figure 27: 2aux_to_all4_allConn.inPegasus.tikz

Gadgets with adjacency graph corresponding to 2aux_to_all4_allConn.tikz():

- PTR-Ishikawa

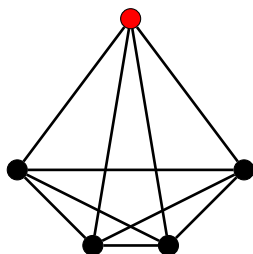


Figure 28: aux_to_all4_allConn.tikz

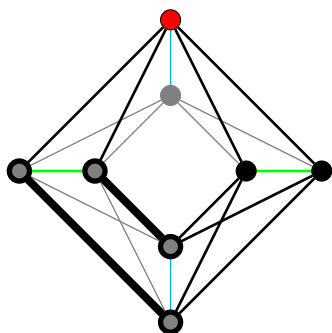


Figure 29: aux_to_all4_allConn.inPegasus.tikz

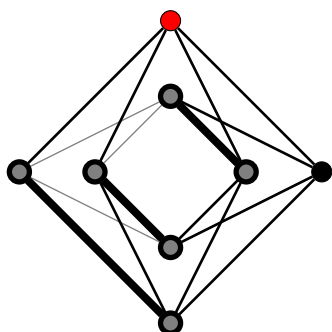



Figure 30: aux_to_all4_allConn.inChimera.tikz

Gadgets with adjacency graph corresponding to aux_to_all4_allConn.tikz():

- PTR-BCR-2

- PTR-BCR-4

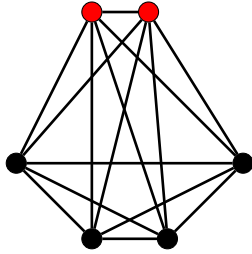


Figure 31: 2auxConn_to_all4_allConn.tikz

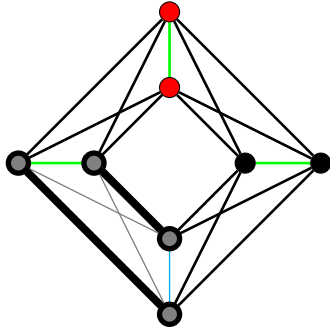


Figure 32: 2auxConn_to_all4_allConn_inPegasus.tikz

Gadgets with adjacency graph corresponding to 2auxConn_to_all4_allConn.tikz():

- PTR-BCR-3

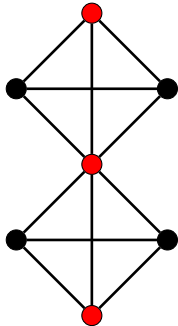


Figure 33: 2k4_shared_aux.tikz

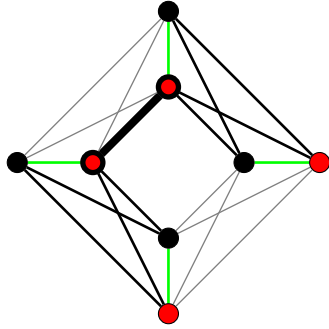


Figure 34: 2k4.shared_aux.inPegasus.tikz

Gadgets with adjacency graph corresponding to 2k4.shared_aux.tikz():

- Two copies of PTR-KZ sharing an auxilla
- Two copies of z-version of PTR-KZ sharing an auxilla