

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

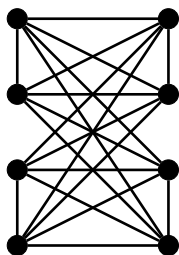


Figure 2: pegasus_v_chimera_uc_k44.tikz: shows extra edges added to chimera unit cell to make Pegasus unit cell

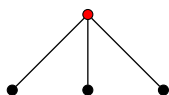


Figure 3: all_to_aux.tikz

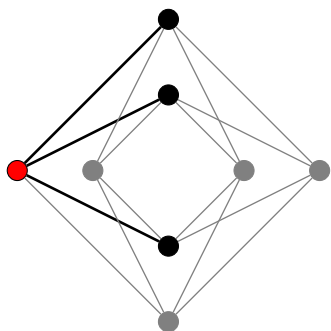


Figure 4: all_to_aux_chimera.tikz

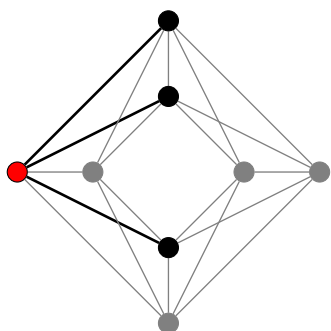


Figure 5: all_to_aux_pegasus.tikz

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

- NTR-KZFD
- NTR-ABCG

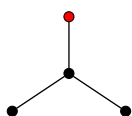


Figure 6: logical_fork.tikz

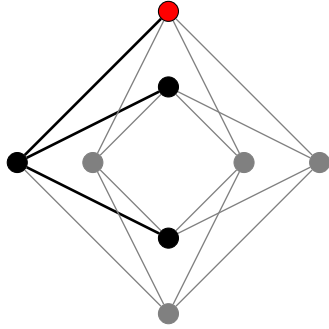


Figure 7: logical_fork_chimera.tikz

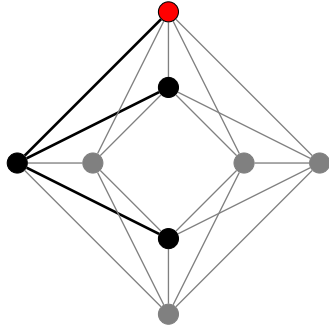


Figure 8: logical_fork_pegasus.tikz

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

- NTR-ABCB

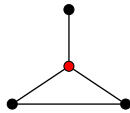
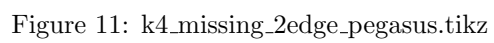
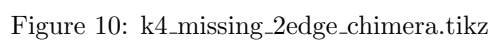
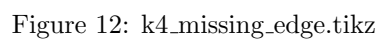


Figure 9: k4_missing_2edge.tikz



- Asymmetric reduction



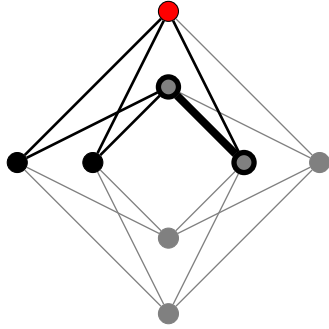


Figure 13: k4_missing_edge_chimera.tikz

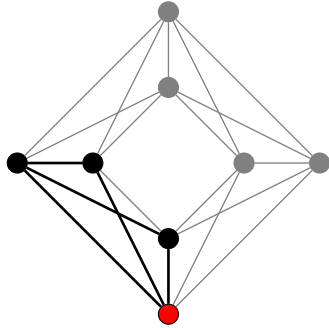


Figure 14: k4_missing_edge_pegasus.tikz

Gadgets with adjacency graph corresponding to k4_missing_edge.tikz(\mathcal{A}):

- Asymmetric cubic reduction

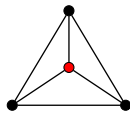


Figure 15: k4.tikz

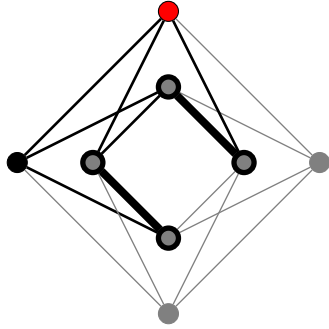


Figure 16: k4_chimera.tikz

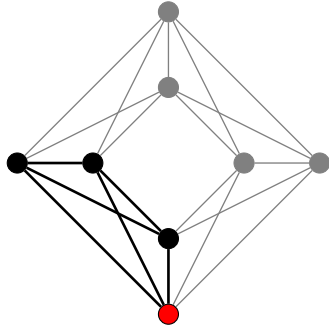


Figure 17: k4_pegasus.tikz

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

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

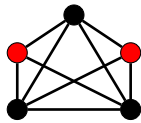


Figure 18: k4_missing_edge.tikz

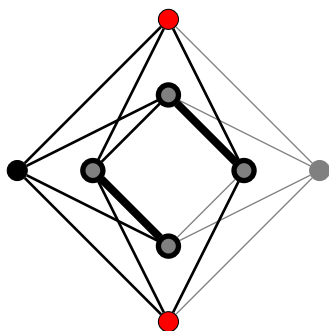


Figure 19: k4_missing_edge_chimera.tikz

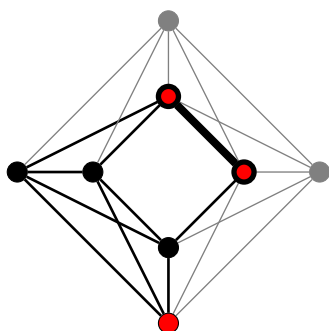



Figure 20: k4_missing_edge_pegasus.tikz

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

- SFR-BCR-1

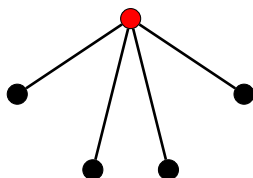


Figure 21: all_to_aux4.tikz

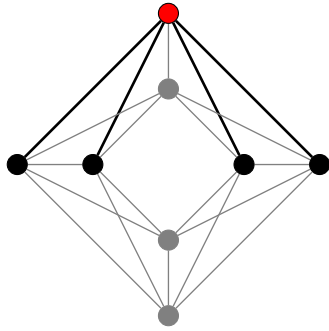


Figure 22: all_to_aux4.inPegasus.tikz

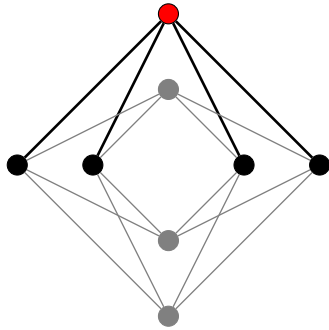


Figure 23: all_to_aux4.inChimera.tikz

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

- NTR-KZFD

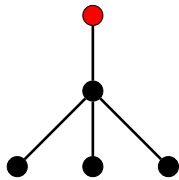


Figure 24: logical_fork3.tikz

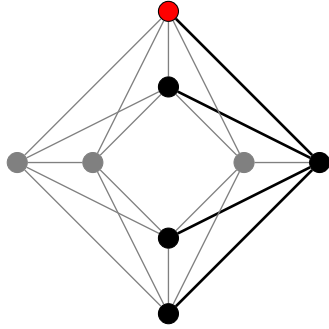


Figure 25: logical_fork3_inPegasus.tikz

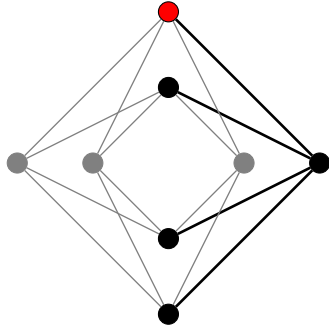


Figure 26: logical_fork3_inChimera.tikz

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

- NTR-ABCB

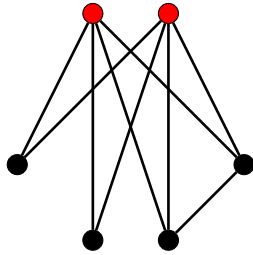


Figure 27: 2aux_to_all4_1conn.tikz

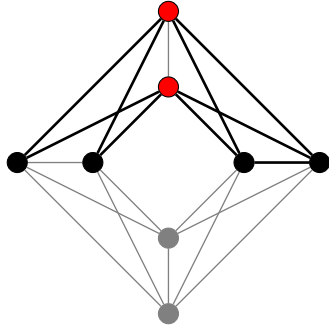


Figure 28: 2aux_to_all4_1conn_inPegasus.tikz

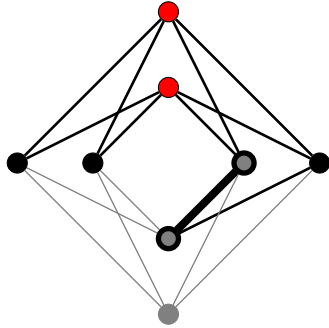


Figure 29: 2aux_to_all4_1conn_inChimera.tikz

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

- positive term reduction

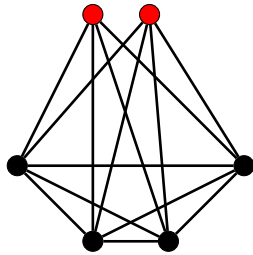


Figure 30: 2aux_to_all4_allConn.tikz

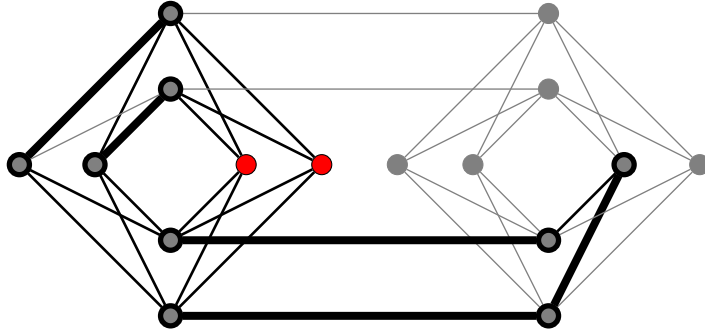


Figure 31: 2aux_to_all4_allConn.inChimera.tikz

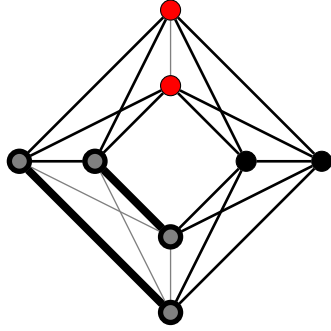



Figure 32: 2aux_to_all4_allConn.inPegasus.tikz

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

- PTR-Ishikawa

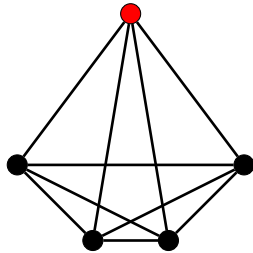


Figure 33: aux_to_all4_allConn.tikz

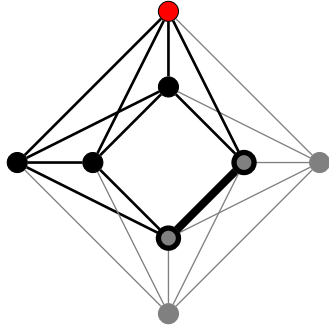


Figure 34: aux_to_all4_allConn_inPegasus.tikz

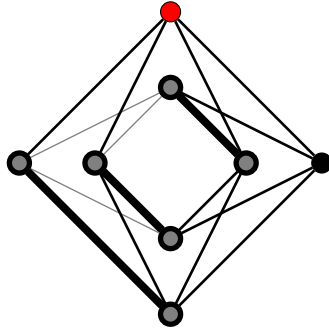



Figure 35: aux_to_all4_allConn_inChimera.tikz

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

- PTR-BCR-2
- PTR-BCR-4

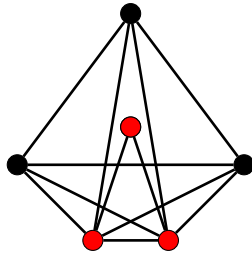


Figure 36: aux_to_all4_allConn_extra_qb.tikz

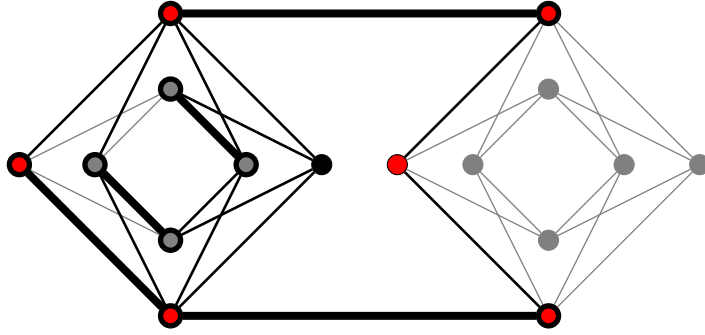


Figure 37: aux_to_all4_allConn_inChimera_extra_qb.tikz

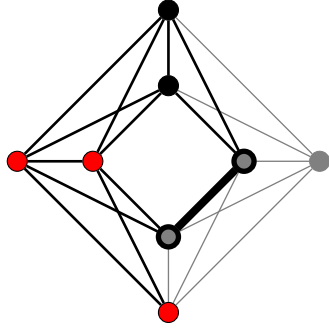



Figure 38: aux_to_all4_allConn_inPegasus_extra_qb.tikz

Gadgets with adjacency graph corresponding to aux_to_all4_allConn_extra_qb.tikz ():

- RBL (even)

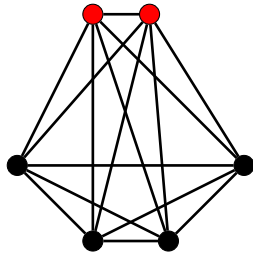


Figure 39: 2auxConn_to_all4_allConn.tikz

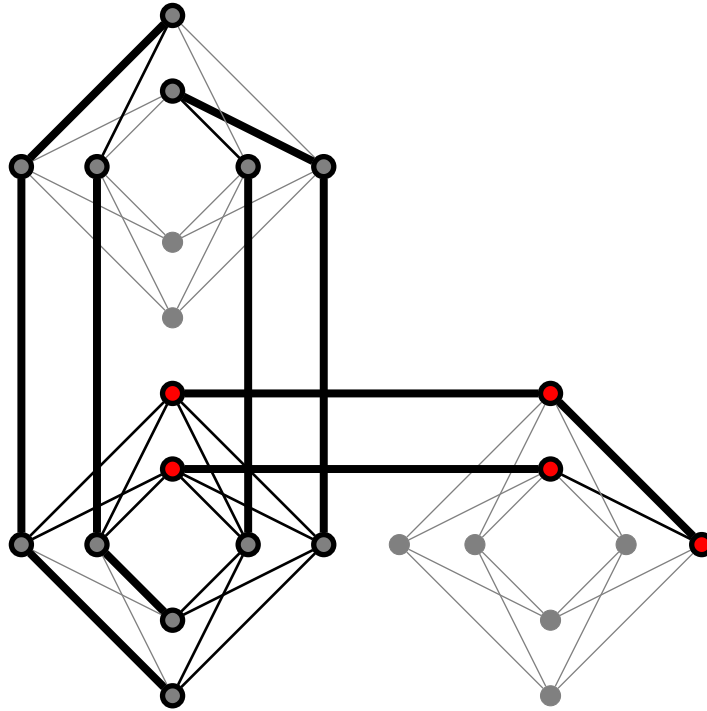


Figure 40: 2auxConn_to_all4_allConn.inChimera.tikz

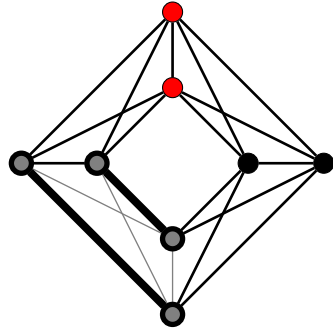



Figure 41: 2auxConn_to_all4_allConn.inPegasus.tikz

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

- PTR-BCR-3

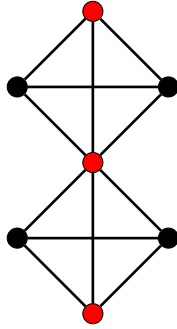


Figure 42: 2k4_shared_aux.tikz

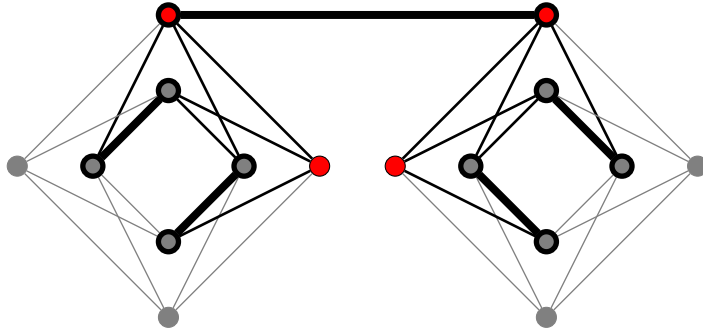


Figure 43: 2k4_shared_aux_inChimera.tikz

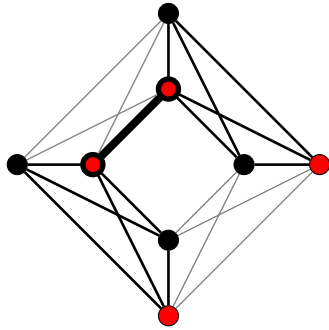


Figure 44: 2k4_shared_aux_inPegasus.tikz

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