

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

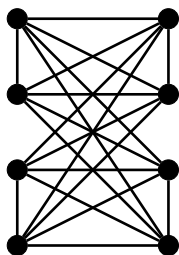


Figure 2: pegasus_v_chimera_uc_k44.tikz: shows extra edges added to chimera unit cell to make Pegasus unit cell

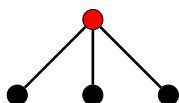


Figure 3: all_to_aux.tikz

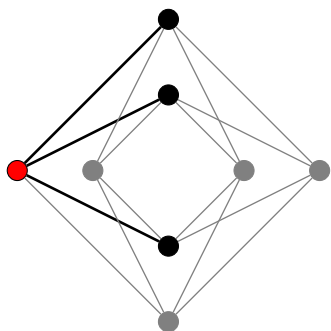


Figure 4: all_to_aux_chimera.tikz

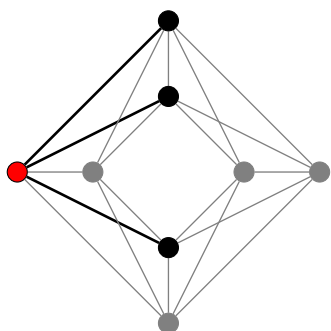


Figure 5: all_to_aux_pegasus.tikz

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

- NTR-KZFD
- NTR-ABCG

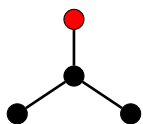


Figure 6: logical_fork.tikz

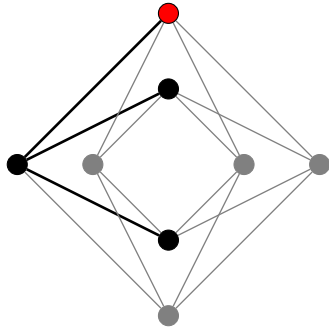


Figure 7: logical_fork_chimera.tikz

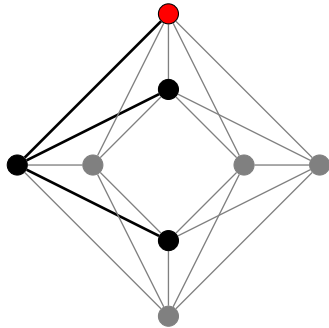


Figure 8: logical_fork_pegasus.tikz

Gadgets with adjacency graph corresponding to logical_fork.tikz(

- NTR-ABCB

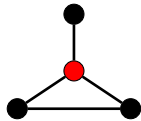


Figure 9: k4_missing_2edge.tikz

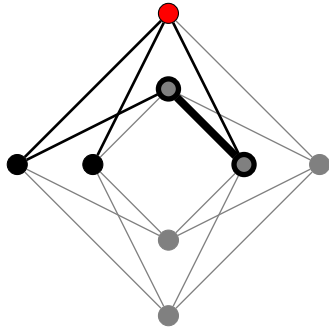


Figure 10: k4_missing_2edge_chimera.tikz

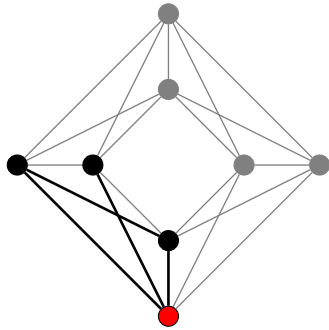


Figure 11: k4_missing_2edge_pegasus.tikz

Gadgets with adjacency graph corresponding to k4_missing_2edge.tikz():

- Asymmetric reduction

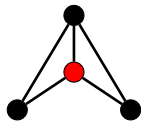


Figure 12: k4_missing_edge.tikz

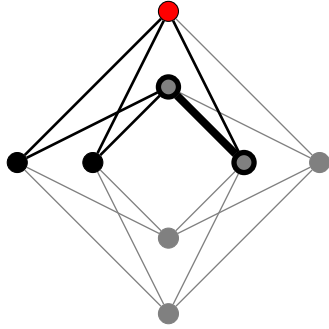


Figure 13: k4_missing_edge_chimera.tikz

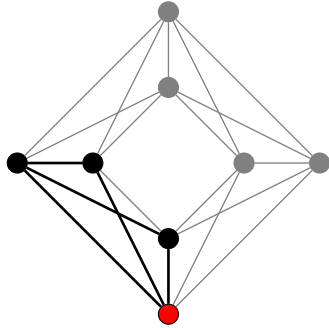


Figure 14: k4_missing_edge_pegasus.tikz

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

- Asymmetric cubic reduction

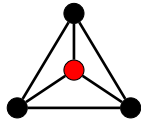


Figure 15: k4.tikz

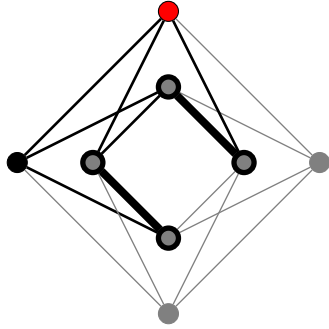


Figure 16: k4_chimera.tikz

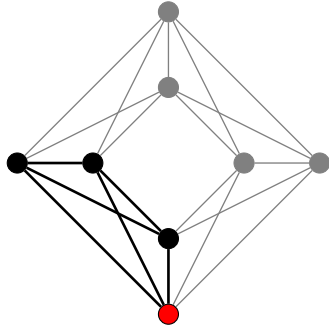


Figure 17: k4_pegasus.tikz

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

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

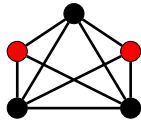


Figure 18: k5_missing_edge.tikz

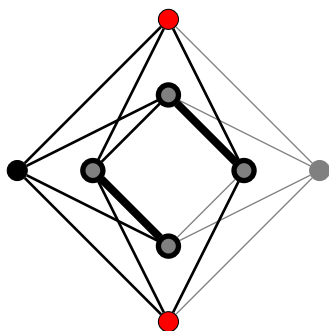


Figure 19: k5_missing_edge_chimera.tikz

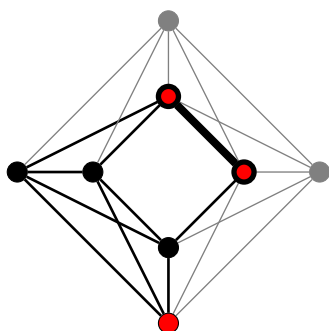


Figure 20: k5_missing_edge_pegasus.tikz

Gadgets with adjacency graph corresponding to k5_missing_edge.tikz (📐):

- SFR-BCR-1

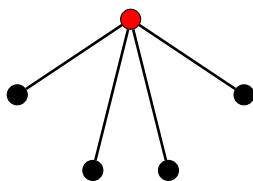


Figure 21: all_to_aux4.tikz

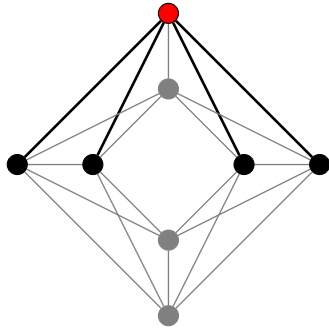


Figure 22: all_to_aux4.inPegasus.tikz

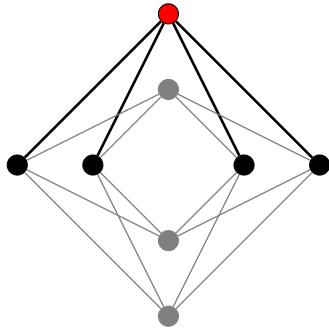


Figure 23: all_to_aux4.inChimera.tikz

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

- NTR-KZFD

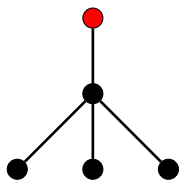


Figure 24: logical_fork3.tikz

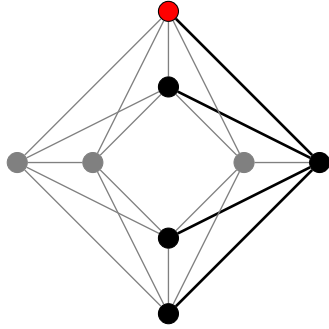


Figure 25: logical_fork3_inPegasus.tikz

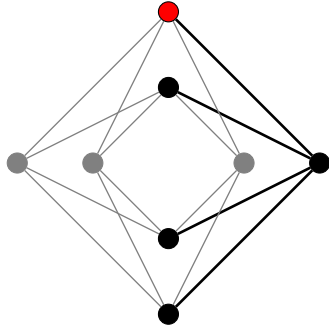


Figure 26: logical_fork3_inChimera.tikz

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

- NTR-ABCB

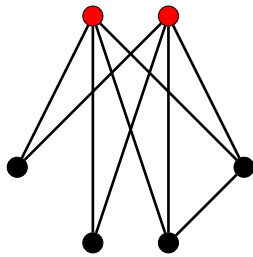


Figure 27: 2aux_to_all4_1conn.tikz

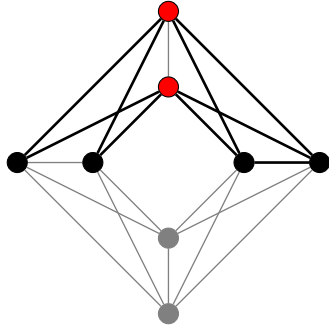


Figure 28: 2aux_to_all4_1conn_inPegasus.tikz

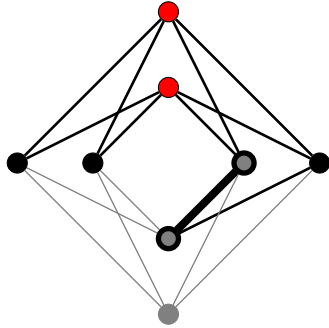


Figure 29: 2aux_to_all4_1conn_inChimera.tikz

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

- positive term reduction

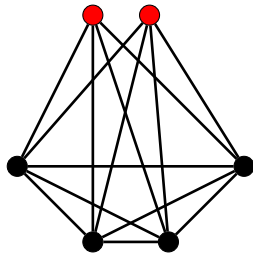


Figure 30: 2aux_to_all4_allConn.tikz

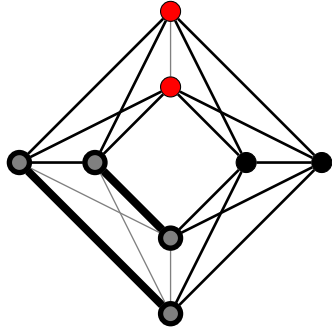



Figure 31: 2aux_to_all4_allConn.inPegasus.tikz

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

- PTR-Ishikawa

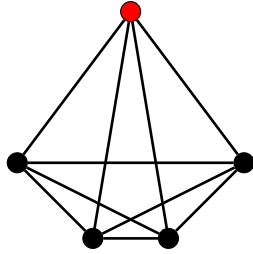


Figure 32: aux_to_all4_allConn.tikz

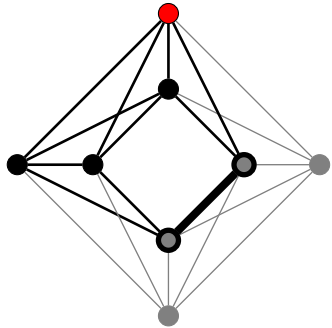


Figure 33: aux_to_all4_allConn.inPegasus.tikz

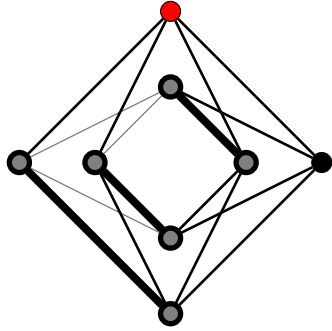



Figure 34: aux_to_all4_allConn_inChimera.tikz

- Gadgets with adjacency graph corresponding to aux_to_all4_allConn.tikz():
- PTR-BCR-2
 - PTR-BCR-4

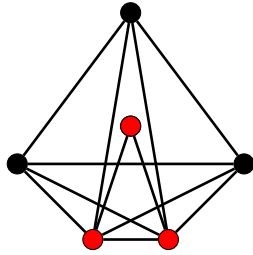


Figure 35: aux_to_all4_allConn_extra_qb.tikz

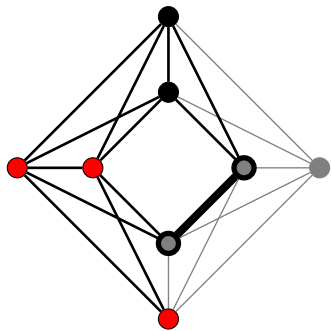



Figure 36: aux_to_all4_allConn_inPegasus_extra_qb.tikz

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

- RBL (even)

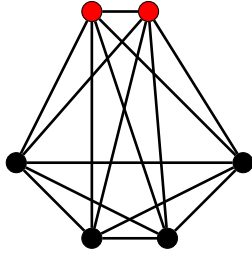


Figure 37: `2auxConn_to_all4_allConn.tikz`

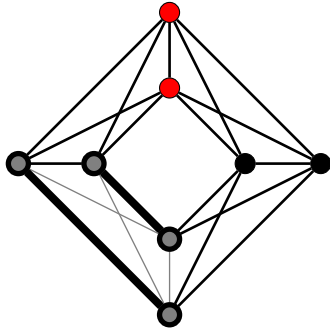



Figure 38: `2auxConn_to_all4_allConn_inPegasus.tikz`

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

- PTR-BCR-3

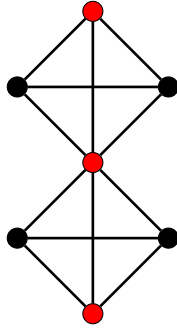


Figure 39: 2k4_shared_aux.tikz

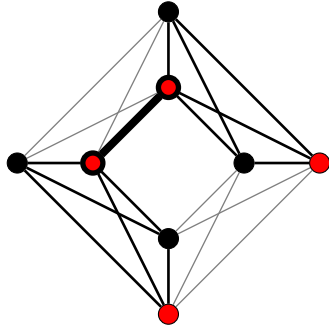


Figure 40: 2k4_shared_aux.inPegasus.tikz

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