

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

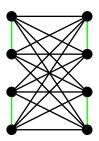


Figure 2: pegasus_v_chimera_uc_k44.tikz: shows extra edges added to chimera unit cell to make Pegasus unit cell



Figure 3: $all_{to}aux.tikz$

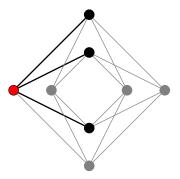


Figure 4: all_to_aux_chimera.tikz

Gadgets with adjacency graph corresponding to all_to_aux.tikz ($\fill \cline{A}\cli$

- NTR-KZFD
- NTR-ABCG



Figure 5: logical_fork.tikz

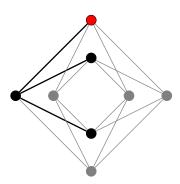


Figure 6: logical_fork_chimera.tikz

Gadgets with adjacency graph corresponding to logical_fork.tikz($\stackrel{\bullet}{\swarrow}$):

• NTR-ABCB



Figure 7: k4_missing_2edge.tikz

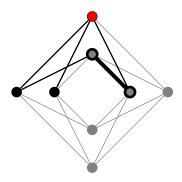


Figure 8: k4_missing_2edge_chimera.tikz

Gadgets with adjacency graph corresponding to k4_missing_2edge.tikz ($\buildrel \buildrel \bui$

• Asymmetric reduction



Figure 9: $k4_missing_edge.tikz$

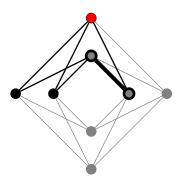


Figure 10: k4_missing_edge_chimera.tikz

• Asymmetric cubic reduction



Figure 11: k4.tikz

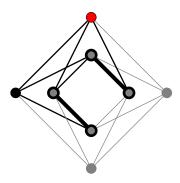


Figure 12: k4_chimera.tikz

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

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

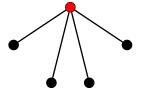


Figure 13: all_to_aux4.tikz

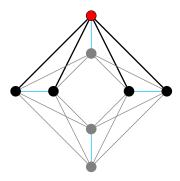


Figure 14: all_to_aux4_inPegasus.tikz

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

• NTR-KZFD

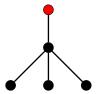


Figure 15: logical_fork3.tikz

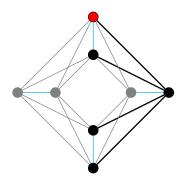


Figure 16: logical_fork3_inPegasus.tikz

Gadgets with adjacency graph corresponding to logical_fork3.tikz($\stackrel{\frown}{\swarrow}$):

• NTR-ABCB

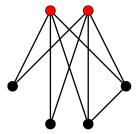


Figure 17: 2aux_to_all4_1conn.tikz

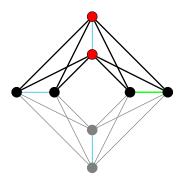
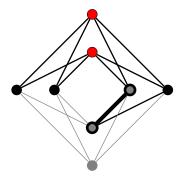


Figure 18: $2aux_to_all4_1conn_inPegasus.tikz$



 $Figure~19:~2aux_to_all4_1conn_inChimera.tikz$

Gadgets with adjacency graph corresponding to 2aux_to_all4_1conn.tikz(



ullet positive term reduction

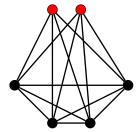


Figure 20: 2aux_to_all4_allConn.tikz

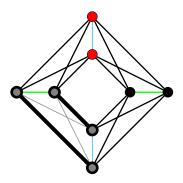


Figure 21: 2aux_to_all4_allConn_inPegasus.tikz

Gadgets with adjacency graph corresponding to 2aux_to_all4_allConn.tikz(



• PTR-Ishikawa

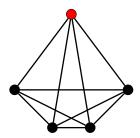


Figure 22: aux_to_all4_allConn.tikz

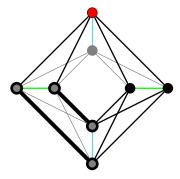


Figure 23: aux_to_all4_allConn_inPegasus.tikz

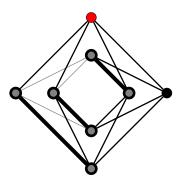
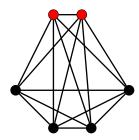


Figure 24: $aux_to_all4_allConn_inChimera.tikz$

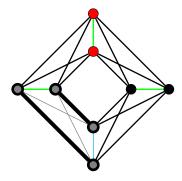
 $Gadgets\ with\ adjacency\ graph\ corresponding\ to\ aux_to_all4_allConn.tikz($



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



 $Figure~25:~2auxConn_to_all4_allConn.tikz$



 $\label{lem:figure 26: 2auxConn_to_all4_allConn_inPegasus.tikz} Figure \ 26: \ 2auxConn_to_all4_allConn_inPegasus.tikz$

 $Gadgets\ with\ adjacency\ graph\ corresponding\ to\ 2auxConn_to_all4_allConn.tikz($



• PTR-BCR-3

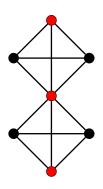


Figure 27: $2k4_shared_aux.tikz$

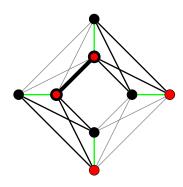


Figure 28: $2k4_shared_aux_inPegasus.tikz$

Gadgets with adjacency graph corresponding to 2k4_shared_aux.tikz():

- $\bullet\,$ Two copies of PTR-KZ sharing an auxilla
- Two copies of z-version of PTR-KZ sharing an auxilla