

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

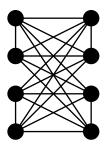


Figure 2: pegasus_v_chimera_uc_k44.tikz: shows extra edges added to chimera unit cell to make Pegasus unit cell



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

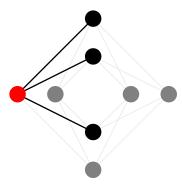


Figure 4: all_to_aux_chimera.tikz

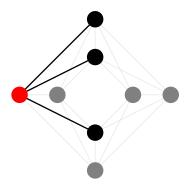


Figure 5: all_to_aux_pegasus.tikz

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

- NTR-KZFD
- \bullet NTR-ABCG



Figure 6: logical_fork.tikz

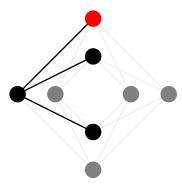


Figure 7: $logical_fork_chimera.tikz$

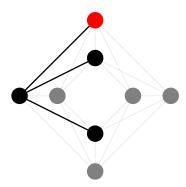


Figure 8: logical_fork_pegasus.tikz

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

• NTR-ABCB



Figure 9: k4_missing_2edge.tikz

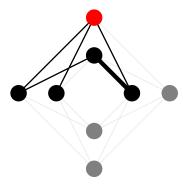


Figure 10: k4_missing_2edge_chimera.tikz

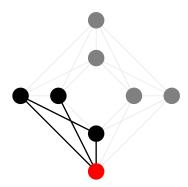


Figure 11: k4_missing_2edge_pegasus.tikz

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

• Asymmetric reduction



Figure 12: k4_missing_edge.tikz

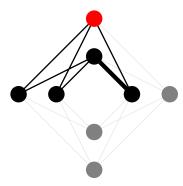


Figure 13: k4_missing_edge_chimera.tikz

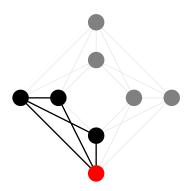


Figure 14: k4_missing_edge_pegasus.tikz

Gadgets with adjacency graph corresponding to k4_missing_edge.tikz($\stackrel{\wedge}{\triangle}$):

• Asymmetric cubic reduction



Figure 15: k4.tikz

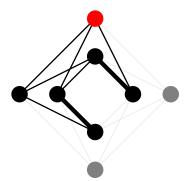


Figure 16: k4_chimera.tikz

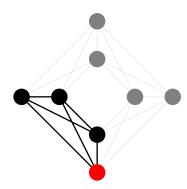


Figure 17: k4_pegasus.tikz

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

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



Figure 18: k5_missing_edge.tikz

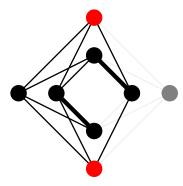


Figure 19: k5_missing_edge_chimera.tikz

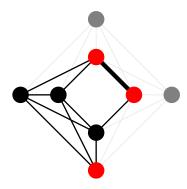


Figure 20: k5_missing_edge_pegasus.tikz

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

• SFR-BCR-1

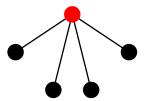


Figure 21: all_to_aux4.tikz

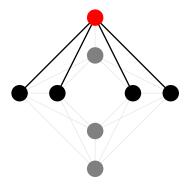


Figure 22: all_to_aux4_inPegasus.tikz

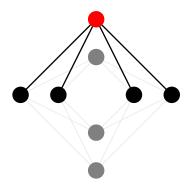
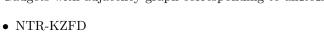


Figure 23: all_to_aux4_inChimera.tikz

Gadgets with adjacency graph corresponding to all_to_aux4.tikz($\begin{cal} \rat{\rat{$\sim$}} \end{cal}):$



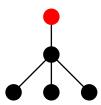


Figure 24: logical_fork3.tikz

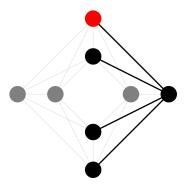


Figure 25: logical_fork3_inPegasus.tikz

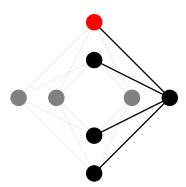


Figure 26: logical_fork3_inChimera.tikz

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

• NTR-ABCB

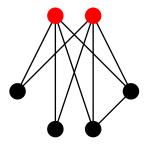


Figure 27: $2aux_to_all_{1conn.tikz}$

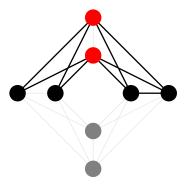


Figure 28: 2aux_to_all4_1conn_inPegasus.tikz

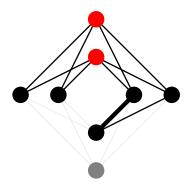


Figure 29: $2aux_to_all4_1conn_inChimera.tikz$

Gadgets with adjacency graph corresponding to 2aux_to_all4_1conn.tikz(\c



ullet positive term reduction

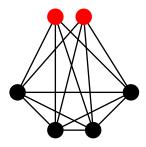


Figure 30: 2aux_to_all4_allConn.tikz

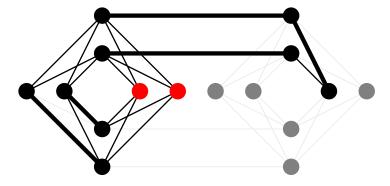


Figure 31: 2aux_to_all4_allConn_inChimera.tikz

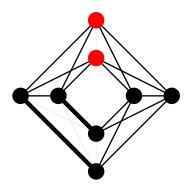


Figure 32: 2aux_to_all4_allConn_inPegasus.tikz

 $Gadgets\ with\ adjacency\ graph\ corresponding\ to\ 2aux_to_all4_allConn.tikz($



• PTR-Ishikawa

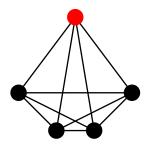


Figure 33: $aux_to_all4_allConn.tikz$

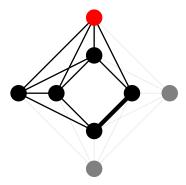


Figure 34: aux_to_all4_allConn_inPegasus.tikz

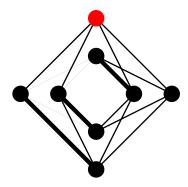


Figure 35: aux_to_all4_allConn_inChimera.tikz

Gadgets with adjacency graph corresponding to aux_to_all4_allConn.tikz(



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

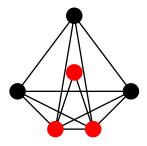


Figure 36: aux_to_all4_allConn_extra_qb.tikz

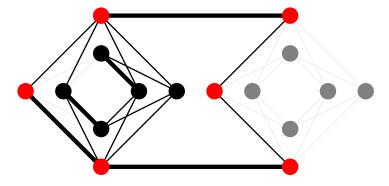
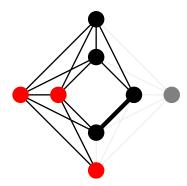


Figure 37: aux_to_all4_allConn_inChimera_extra_qb.tikz



 $Figure~38:~aux_to_all4_allConn_inPegasus_extra_qb.tikz$



 \bullet RBL (even)

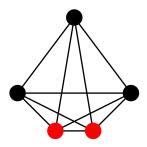


Figure 39: 2aux_to_3.tikz

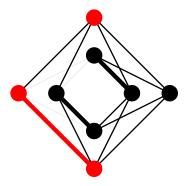


Figure 40: $2aux_to_3_inChimera.tikz$

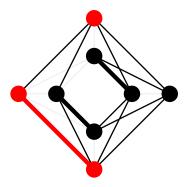


Figure 41: 2aux_to_3_inPegasus.tikz

Gadgets with adjacency graph corresponding to 2aux_to_3.tikz(



• RBL (even)

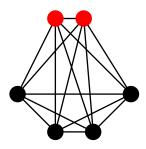


Figure 42: $2auxConn_to_all4_allConn.tikz$

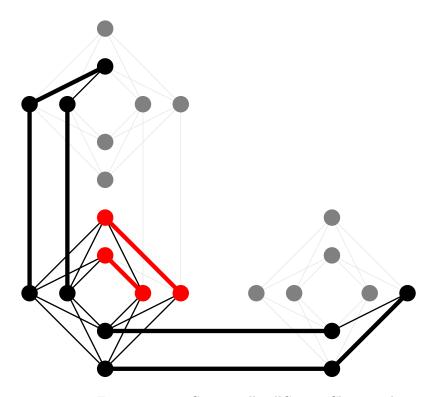


Figure 43: 2auxConn_to_all4_allConn_inChimera.tikz

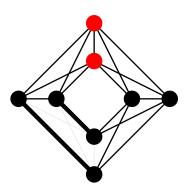


Figure 44: 2auxConn_to_all4_allConn_inPegasus.tikz

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



• PTR-BCR-3

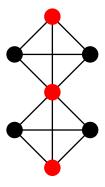


Figure 45: 2k4_shared_aux.tikz

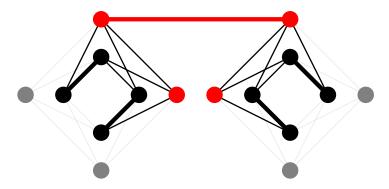


Figure 46: 2k4_shared_aux_inChimera.tikz

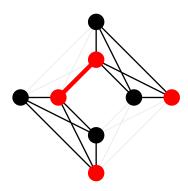


Figure 47: 2k4_shared_aux_inPegasus.tikz

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

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