

**Supplementary Material for “Design of agricultural field experiments
accounting for both complex blocking structures and network effects”**

This document provides designs with network effects discussed in Section 4 of the paper.

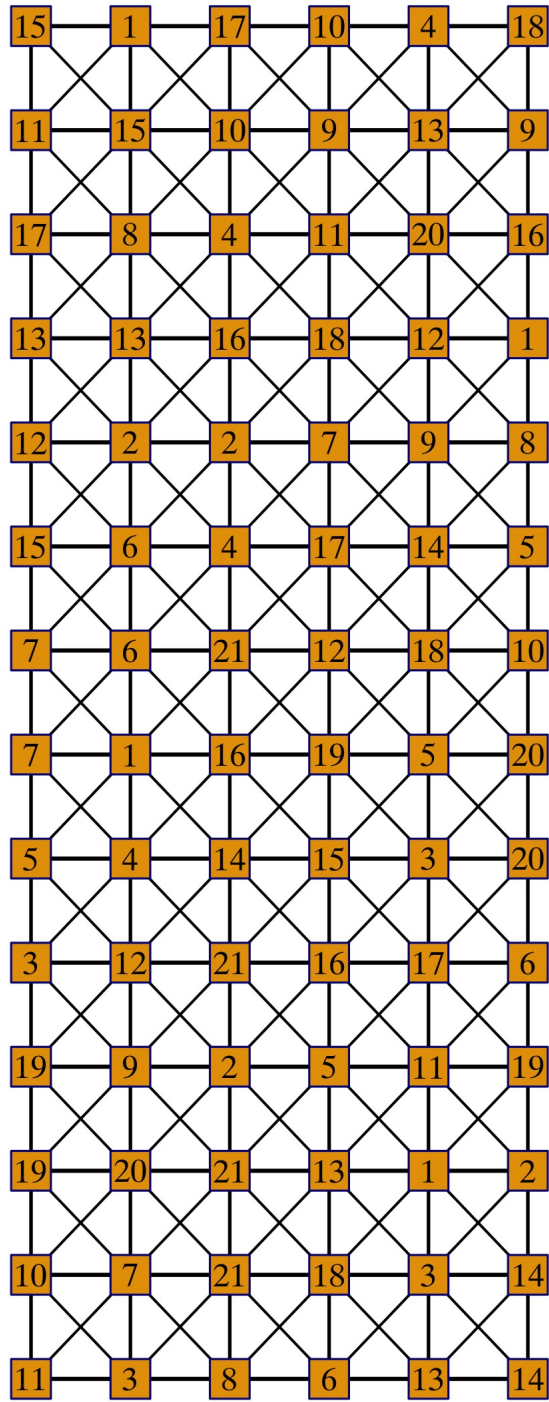


Figure 1: LND1 – network design network design under the Linear Network effects Model for unrestricted case for King’s case

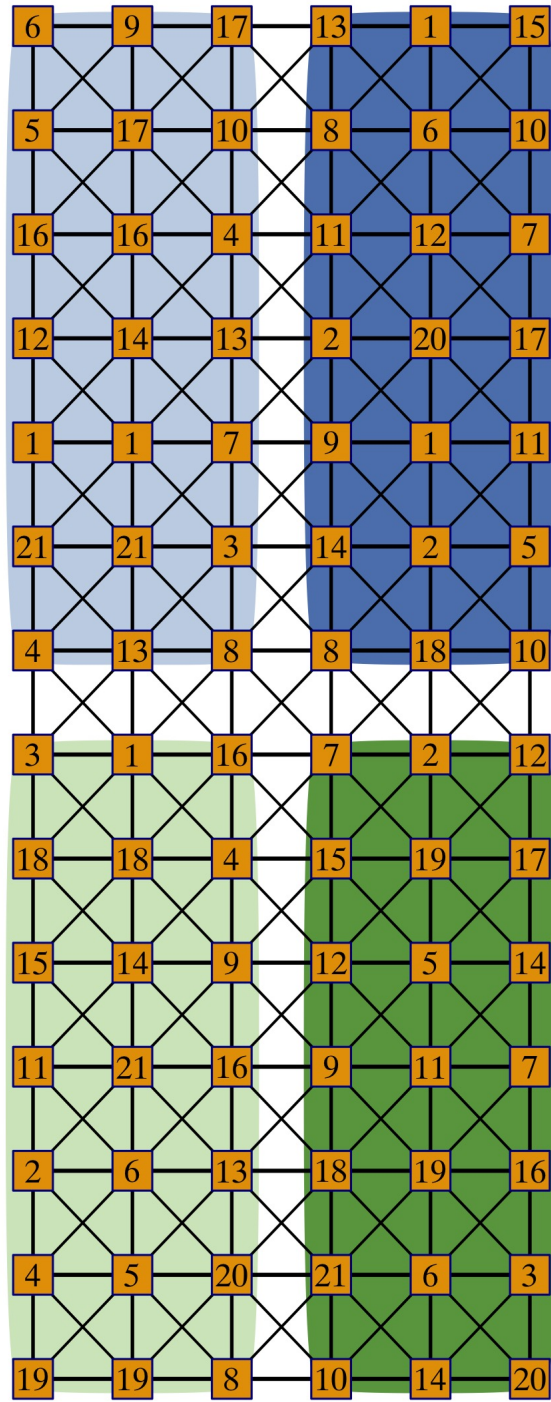


Figure 2: BND1 – Block Network Design for unrestricted King’s case

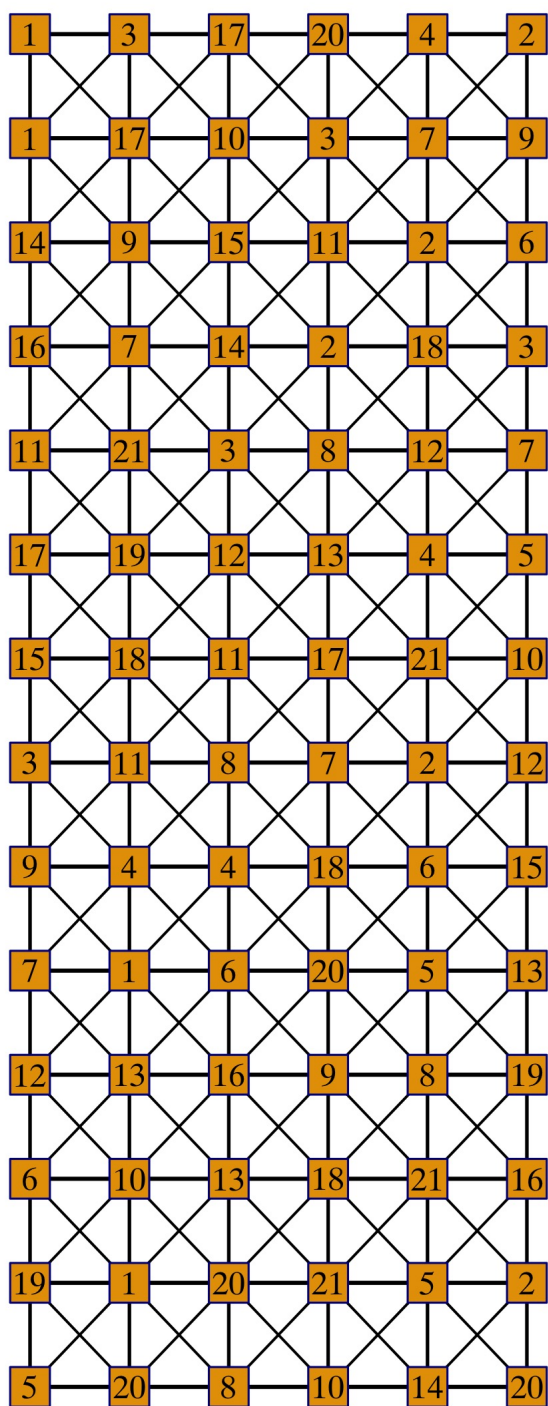


Figure 3: RCND1 – Row-Column Network Design for unrestricted King’s case

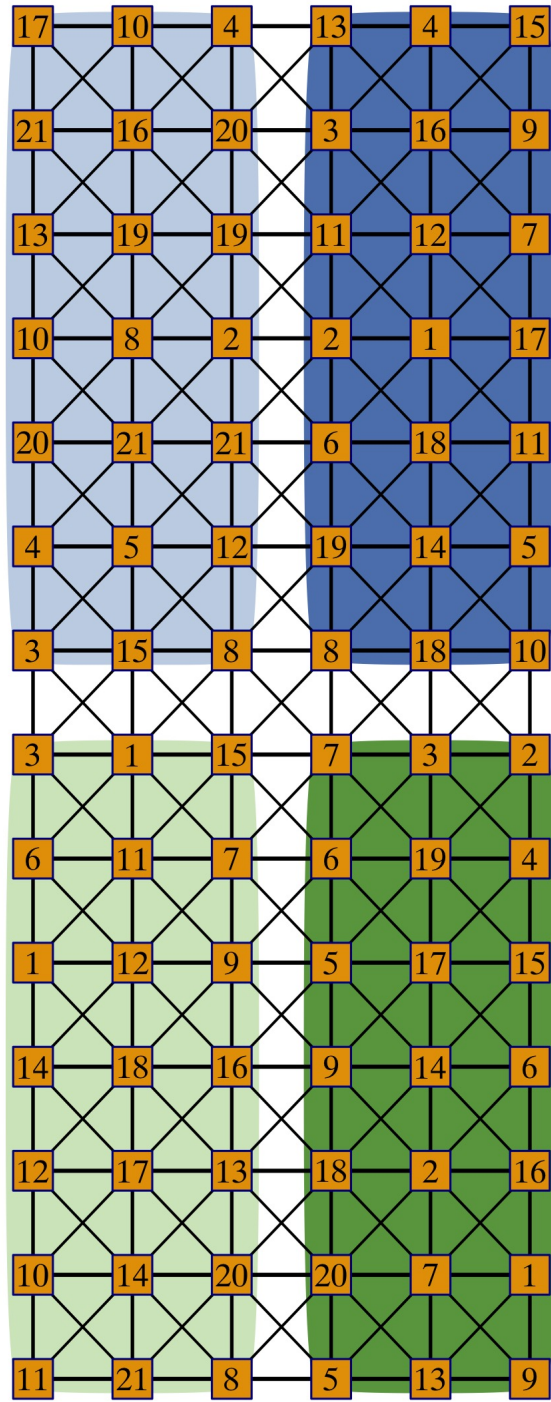


Figure 4: BRCND1 – Block Row-Column Network Design for unrestricted King's case

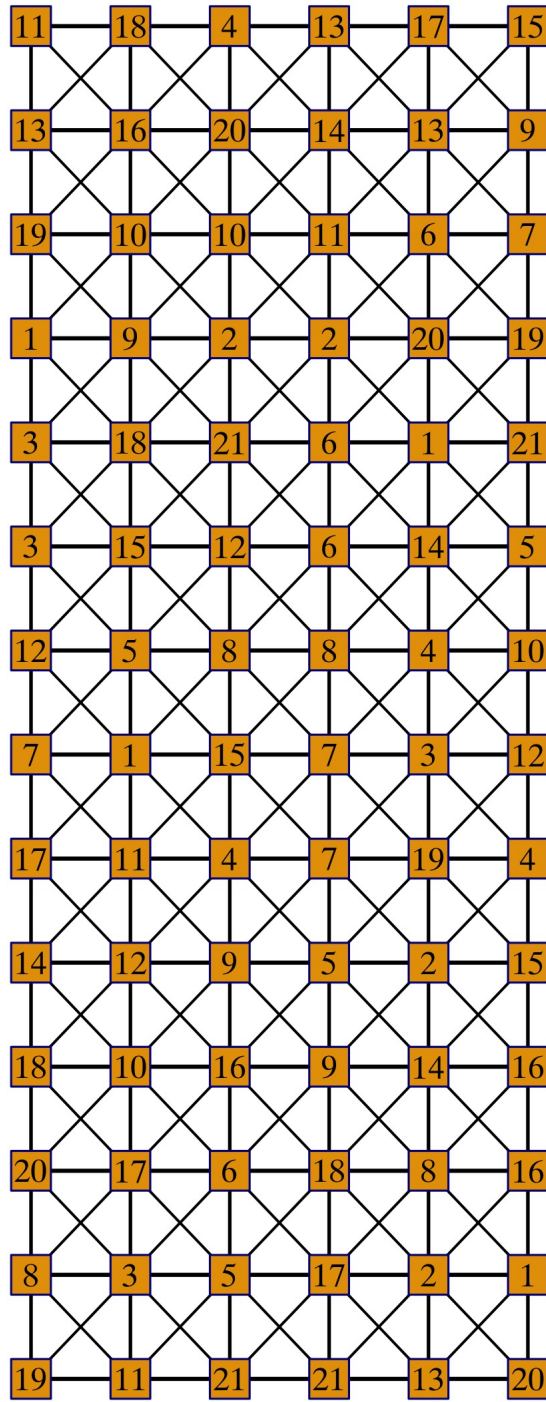


Figure 5: LND2 – network design network design under the Linear Network effects Model for equal-replicated King's case

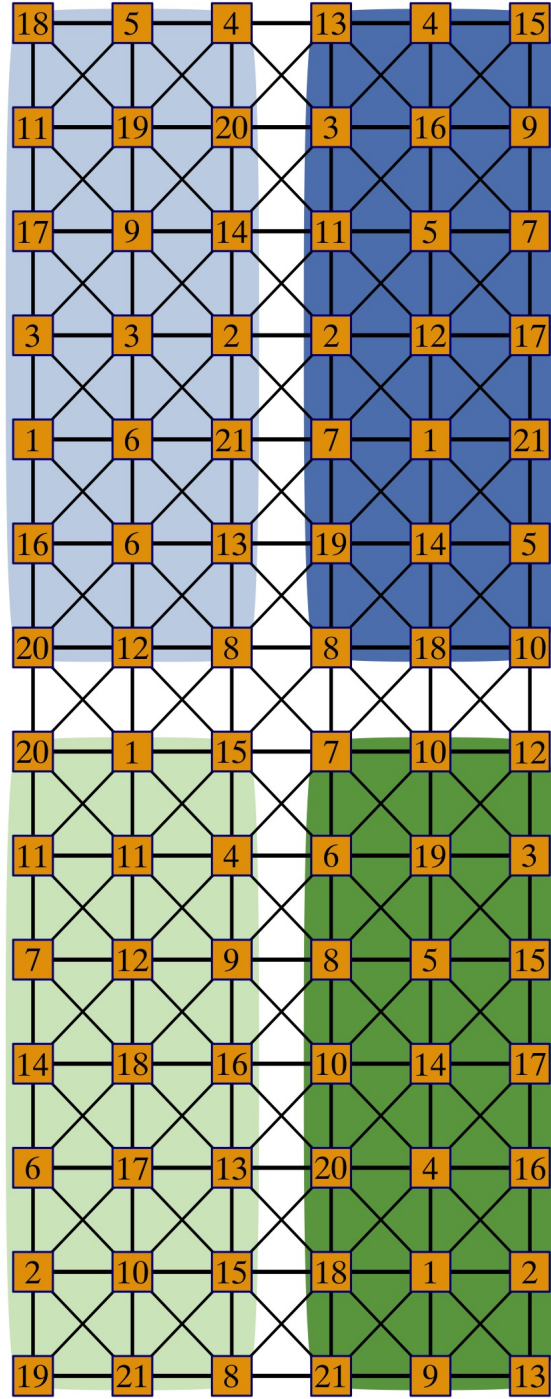


Figure 6: BND2 – Block Network Design for equal-replicated King's case

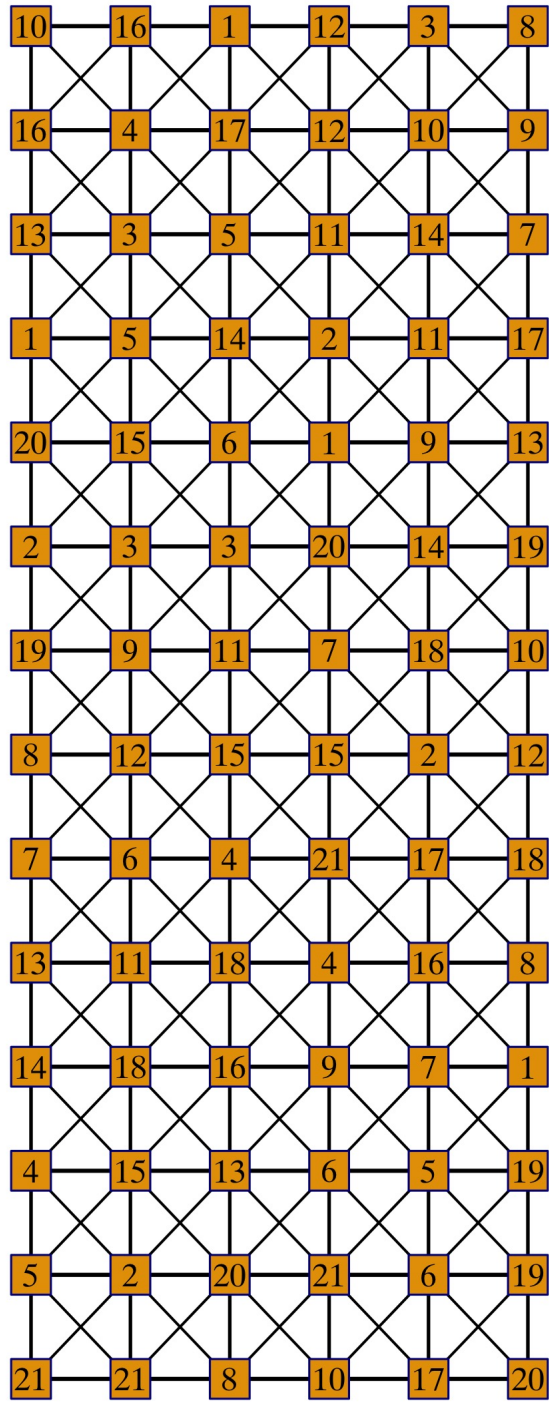


Figure 7: RCND2 – Row-Column Network Design for equal-replicated King’s case

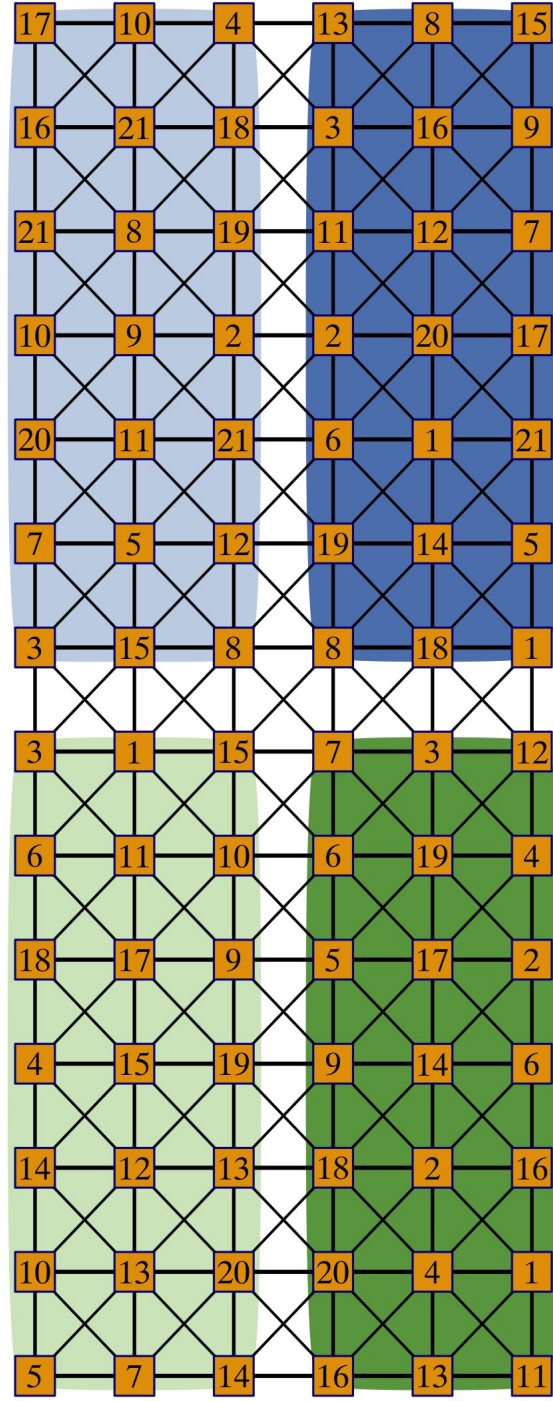


Figure 8: BRCND2 – Block Row-Column Network Design for equal-replicated King's case

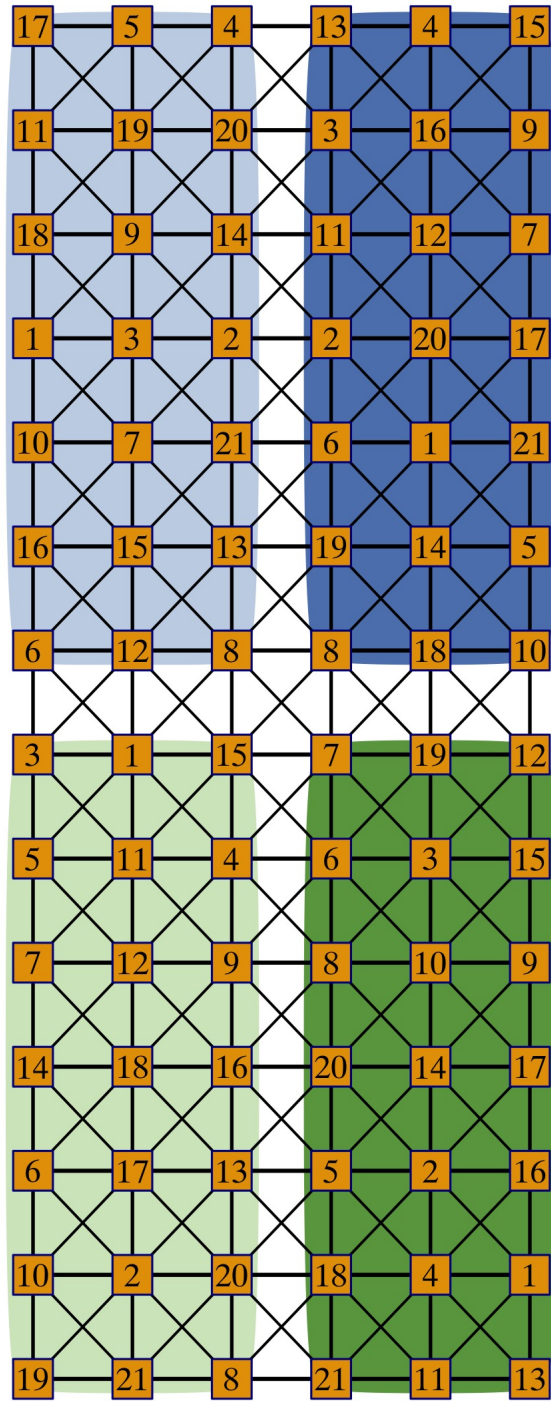


Figure 9: BND3 – Block Network Design for resolved King's case

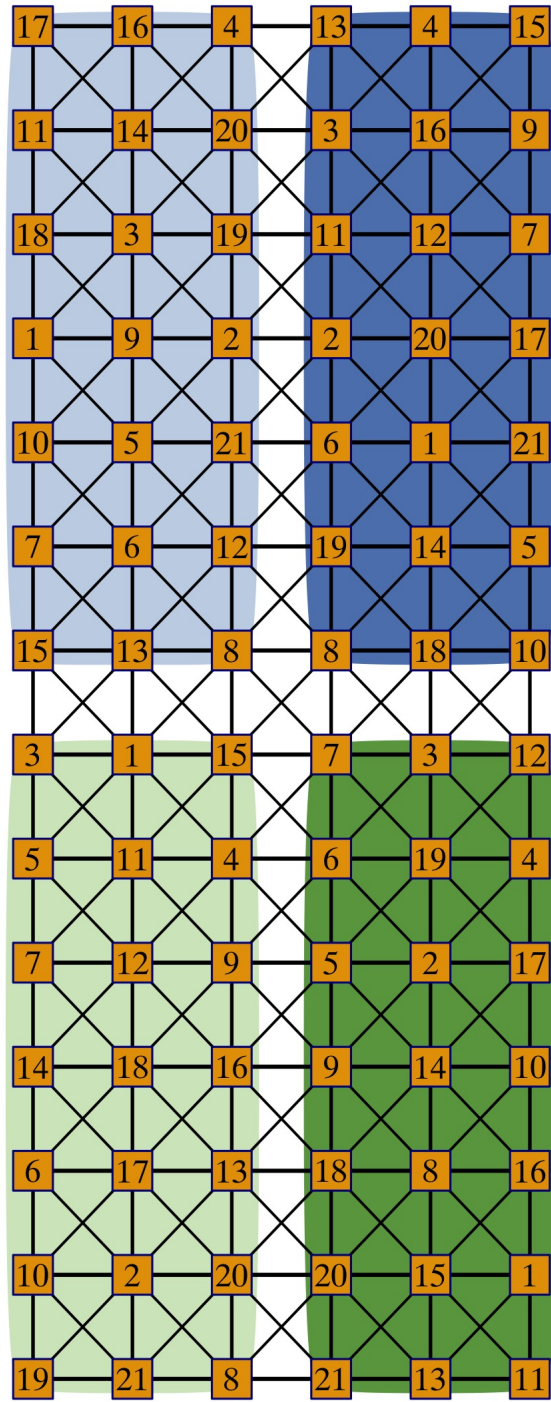


Figure 10: BRCND3 – Block Row-Column Network Design for resolved King's case

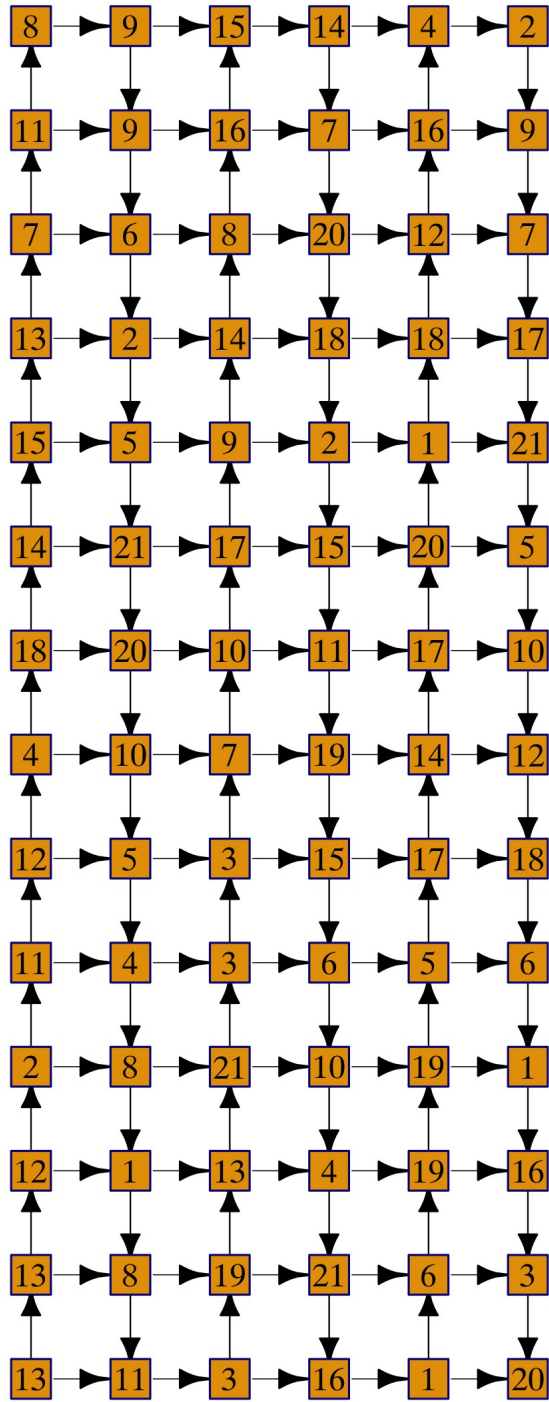


Figure 11: LND4 – network design network design under the Linear Network effects Model for unrestricted Farmer’s case

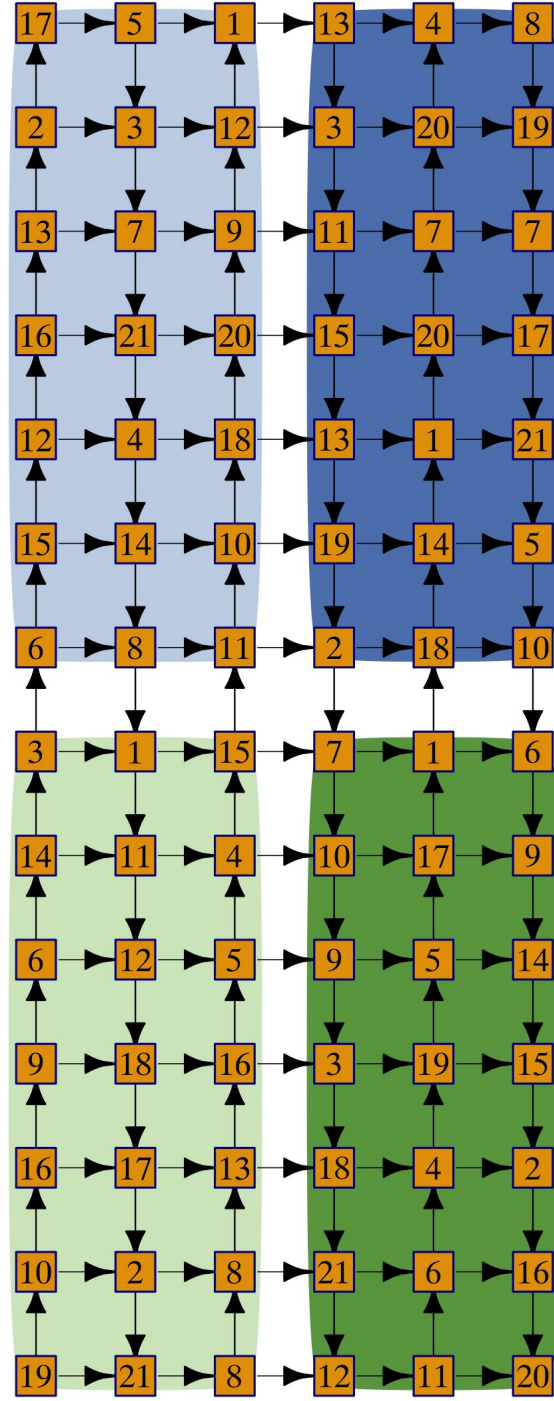


Figure 12: BND4 – Block Network Design for unrestricted Farmer’s case

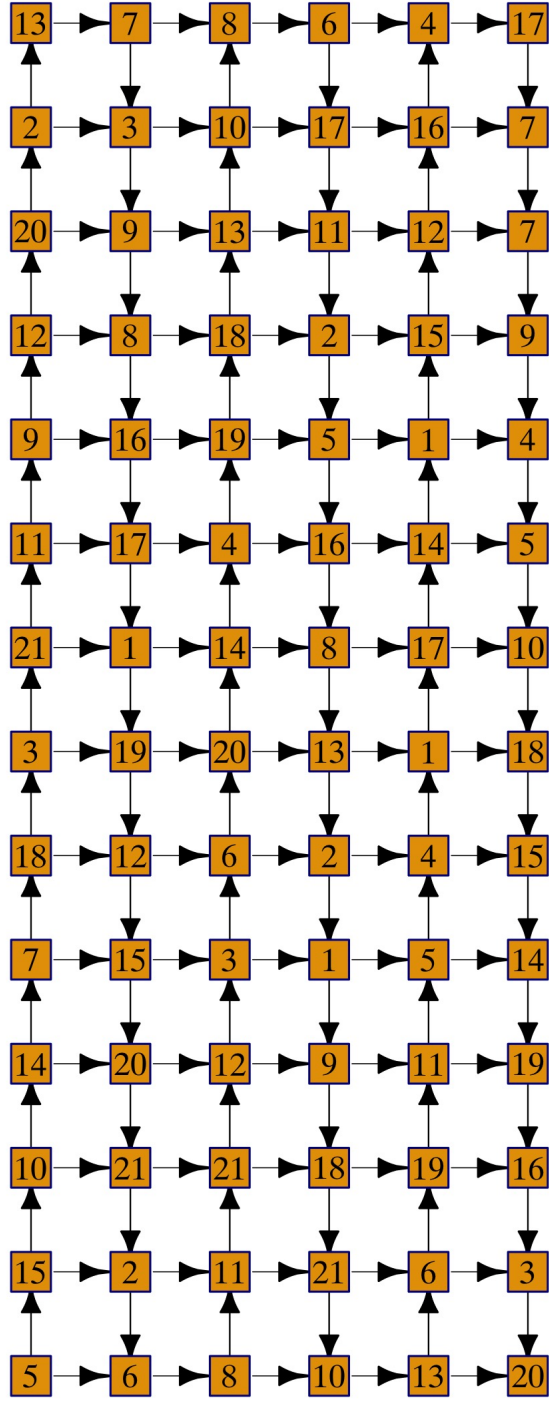


Figure 13: RCND4 – Row-Column Network Design for unrestricted Farmer's case

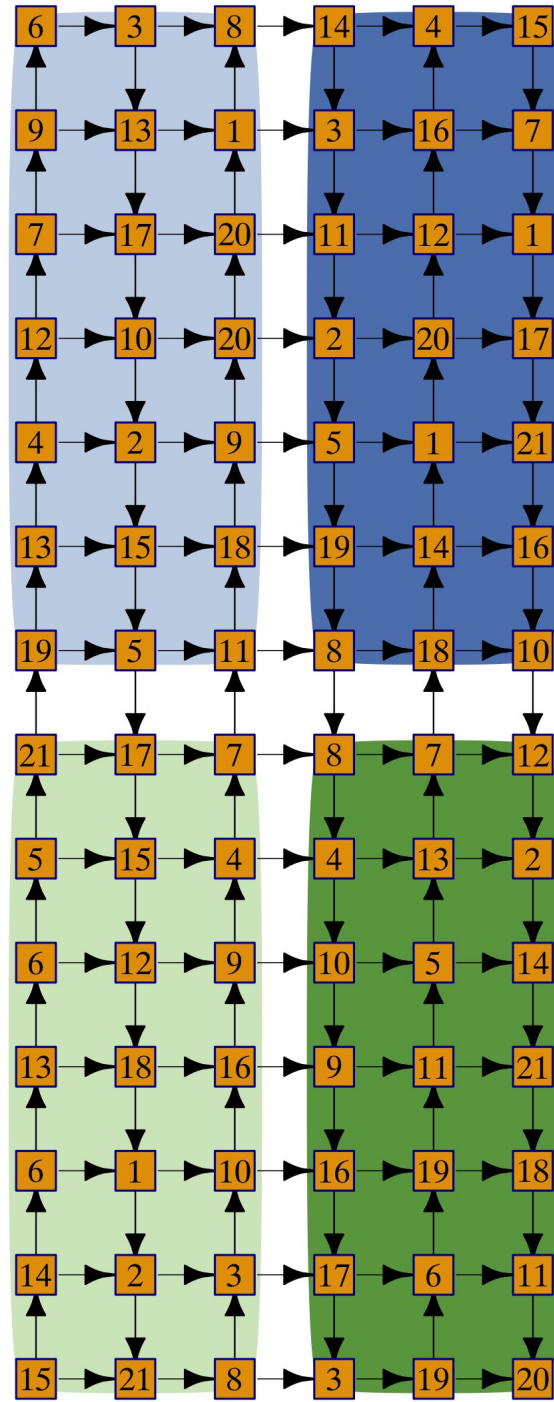


Figure 14: BRCND4 – Block Row-Column Network Design for unrestricted Farmer’s case

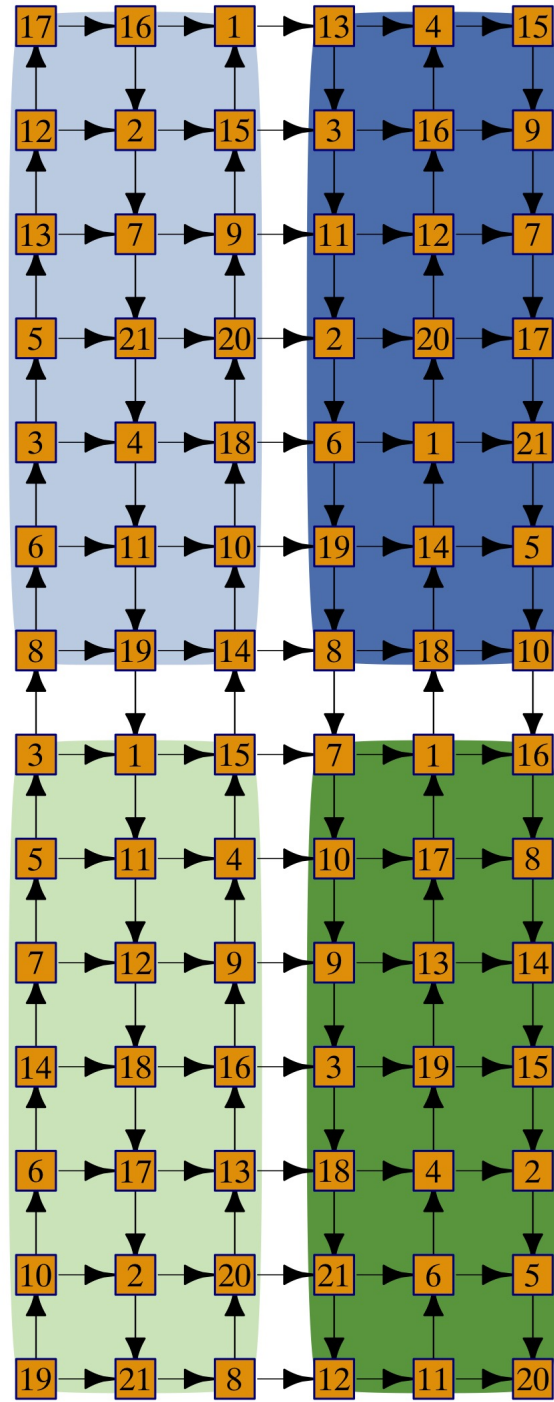


Figure 15: BND5 – Block Network Design for resolved Farmer’s case

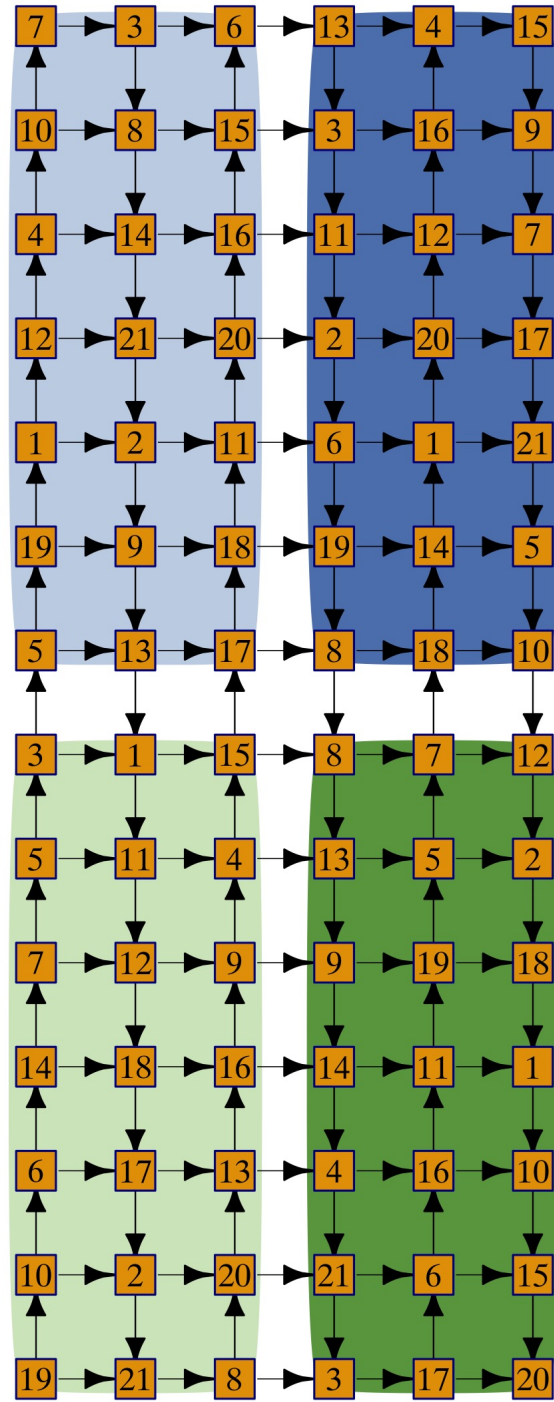


Figure 16: BRCND5 – Block Row-Column Network Design for resolved Farmer’s case