

COSC329 Tutorials on Sorting Networks

- (1) Draw an odd-even merge sorting network for $n=16$, and trace the input of (16, 14, 15, 13, 11, 12, 9, 10, 8, 6, 7, 5, 4, 2, 1, 3).
- (2) Draw a bitonic sorting network for $n=16$, and trace the same input as above.
- (3) The above bitonic sorting network still works if you swap two sorting networks of eight inputs in front of the last merging network. Trace this version with the same inputs. Are other changes possible?