

Figure S1: Ground state of the 1D arrangement

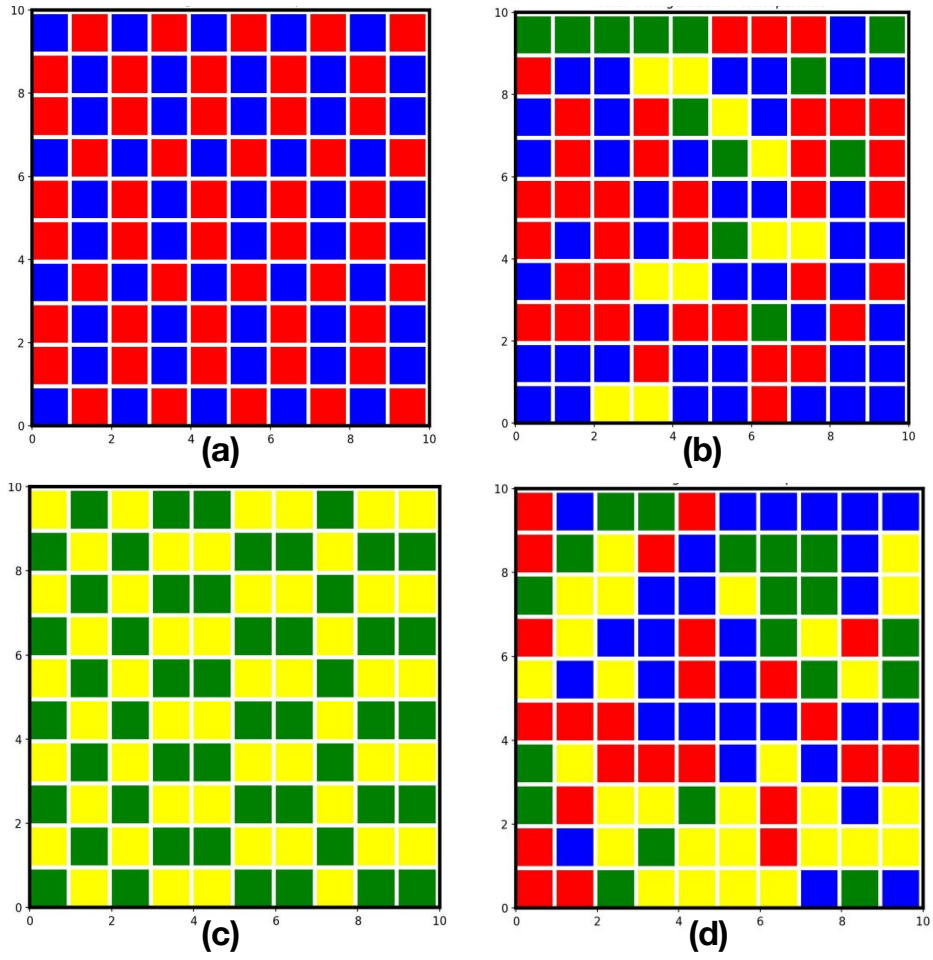


Figure S2: Snapshot of 2D $N \times N$ arrangement for $N=10$