



**FIGURE 12.12** On the left-hand side, we see the logical structure of a MERGER [8] network, into which feed two BITONIC [4] networks, as depicted in Fig. 12.11. The gray MERGER [4] network has as inputs the even wires coming out of the top BITONIC [4] network and the odd ones from the lower BITONIC [4] network. In the lower MERGER [4] the situation is reversed. Once the wires exit the two MERGER [4] networks, each pair of identically numbered wires is combined by a balancer. On the right-hand side, we see the physical layout of a MERGER [8] network. The different balancers are color-coded to match the logical structure in the left-hand figure.