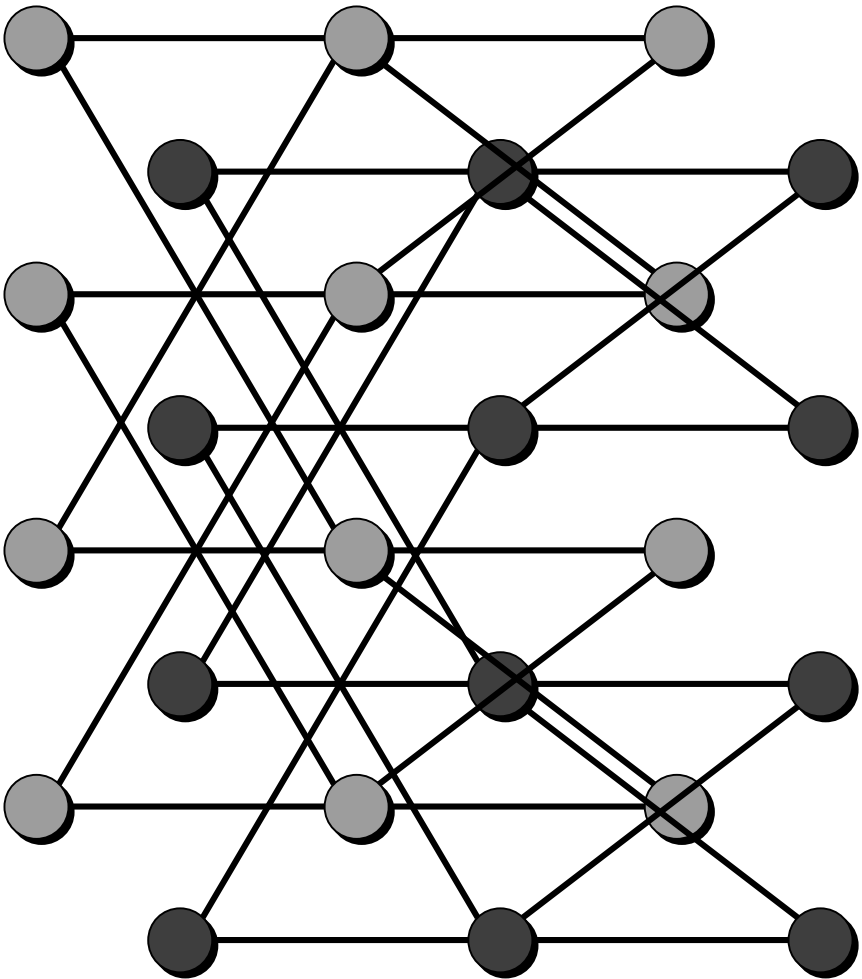Decomposing a Butterfly II