Problem 21 (8 points):
As with the hypercube, the Hyperring is not perfectly scalable because its degree is not a constant. Consider transforming the Hyperring into a constant degree structure in a similar way as this is done for the transformation of a hypercube into a butterfly. Suggest insertion and deletion mechanisms that would allow to maintain such a constant degree structure by extending the (sequential) insertion and deletion mechanisms for the Hyperring in a suitable way.