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Communication in Parallel Systems

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Assignment 11

Problem 20 (4 points)**:**
Show that Theorem 11.3 still holds if the edges are given non-uniform bandwidths (i.e., edge e is able to forward $b_e \in \mathbb{N}$ packets in each time step) or hyperedges (i.e., edges connecting several nodes) are allowed.

Problem 21 (4 points)**:**
Prove Theorem 11.3 for the case that $d = 2$.