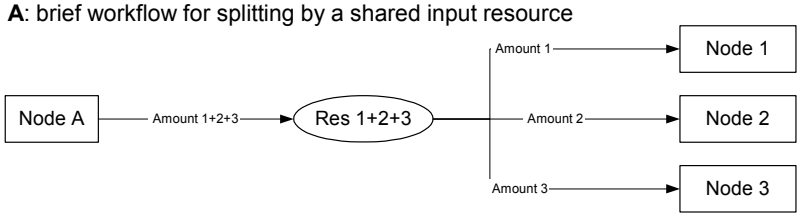
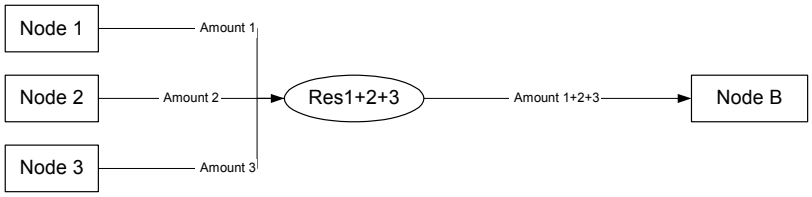
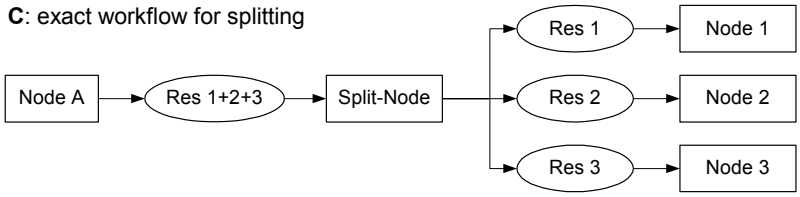
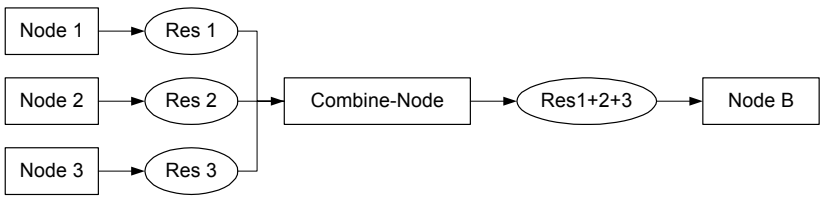
A: brief workflow for splitting by a shared input resource



B: brief workflow for combining by a shared output resource



C: exact workflow for splitting



D: exact workflow for combining