a. Simulation 1 (Sim1), a synthetic dataset with its ground truth **b.** The result of the original SBM on the Sim1 dataset **c.** The result of ISBM on the Sim1 dataset **d.** Simulation 22 (Sim22), a synthetic dataset with its ground truth **e.** The result of the original SBM on the Sim22 dataset **f.** The result of ISBM on the Sim22 dataset **g.** Simulation 21 (Sim21), a synthetic dataset with its ground truth **h.** The result of the original SBM on the Sim21 dataset **i.** The result of ISBM on the Sim21 dataset **j.** Simulation 30 (Sim30), a synthetic dataset with its ground truth **k.** The result of the original SBM on the Sim30 dataset **l.** The result of ISBM on the Sim30 dataset