$$\mathcal{A}@\{X_{2,4,3,1}[v, u], X_{4,6,5,3}\} + \mathcal{A}@\{\overline{X}_{1,2,4,3}[u, v], \overline{X}_{3,4,6,5}\} \equiv$$
$$\left(u^{1/2} v^{1/2} + u^{-1/2} v^{-1/2}\right) \mathcal{A}@\{P_{1,5}[u], P_{2,6}[v]\}$$