= in 1 . in 2 \sim out 1, out 2 $\overline{g}_{\mathrm{out}\ 1,\ \mathrm{out}\ 2}^{\mathrm{in}\ 1,\ \mathrm{in}\ 2}$ $\widetilde{a}_{\mathrm{in}\ 1}^{\mathrm{out}\ 1,\ \mathrm{in}\ 2}$