

$$\mathcal{E}(\rho) =$$

The diagram illustrates a quantum process \mathcal{E} represented by a rectangular box. Two input lines, labeled B and B^* , enter the top of the box. Two output lines, labeled A and A^* , exit the bottom of the box. These output lines are connected to a square box labeled ρ via a V-shaped structure, indicating that the state ρ is the result of the process \mathcal{E} acting on the inputs B and B^* .