Definition (Codiagonal function). Define the codiagonal function codiag_p: P+ $\mathbf{P} \rightarrow \mathbf{P}$: $codiag_{\mathbf{p}}: \mathbf{P} + \mathbf{P} \to \mathbf{P},$

 $\langle 1, p \rangle \mapsto p$

 $\langle 2, p \rangle \mapsto p$.