



$$\hat{a}(k) = \begin{cases} p(k) & k < L_p + L_{asm} \\ \text{sgn}(\mathbb{R}\{r_r(k)\}) & k \geq L_p + L_{asm} \quad \& \quad k \text{ even} \\ \text{sgn}(\mathbb{I}\{r_r(k)\}) & k \geq L_p + L_{asm} \quad \& \quad k \text{ odd} \end{cases}$$

$$e(k) = \begin{cases} 0 & k \text{ even} \\ \hat{a}(k-1)\mathbb{I}\{r_r(k-1)\} - \hat{a}(k)\mathbb{R}\{r_r(k)\} & k \text{ odd} \end{cases}$$