Secret:
$$\{\phi_j\}, \{s_j\}$$

Client's task

Server's task

$$Z(\alpha_0)X^{t_1}|\psi\rangle$$

$$|+_{\alpha_1}\rangle_1$$

$$|+_{\alpha_2}\rangle_2$$

$$Z(-\delta_0)$$

$$|+_{\alpha_1}\rangle_1$$

$$|+_{\alpha_2}\rangle_2$$

$$Z(\delta_2)$$

$$Z(\delta_2)$$