**Alice**

Generate

;

Calculate

mod q

Calculate

mod q

Distribute to other members of the network.

**Bob**

Generate

;

Calculate

mod q

Calculate

mod q

Distribute to other members of the network.

**Carol**

Generate

;

Calculate

mod q

Calculate

mod q

Distribute to other members of the network.

**David**

Generate

;

Calculate

mod q

Calculate

mod q

Distribute to other members of the network.

**Key**

1st Loop

3rd Loop (Final)

2nd Loop