**Alice**

**Bob**

**Carol**

**David**

Generate

;

Calculate

mod q

Generate

;

Calculate

mod q

Generate

;

Calculate

mod q

Generate

;

Calculate

mod q

Calculate

mod q

Calculate

mod q

Calculate

mod q

Calculate

mod q

Distribute to other members of the network.

Distribute to other members of the network.

Distribute to other members of the network.

Distribute to other members of the network.