

Alice

Input data

\mathbf{x}

Normalization

\mathbf{x}'

Data mapping

\mathbf{v}

Decoding

\mathbf{b}'

Bob

Input data

\mathbf{y}

Normalization

\mathbf{y}'

Mapping function
calculation

\mathbf{b}

QRNG

\mathbf{b}

$\mathbf{M}(\mathbf{y}', \mathbf{u})$

\mathbf{s}