

1.	\curvearrowright	\updownarrow	\curvearrowleft	\leftrightarrow	\updownarrow	\updownarrow	\leftrightarrow	\leftrightarrow	\curvearrowleft	\curvearrowright	\updownarrow	\curvearrowleft	\curvearrowright	\curvearrowright	\updownarrow
2.	+	○	○	+	+	○	○	+	○	+	○	○	○	○	+
3.	\updownarrow		\curvearrowleft		\updownarrow	\curvearrowright	\curvearrowright	\leftrightarrow		\updownarrow	\curvearrowleft	\curvearrowleft		\curvearrowright	\updownarrow
4.	+		○		+	○	○	+		+	○	○		○	+
5.			✓		✓			✓				✓		✓	✓
6.			\curvearrowleft		\updownarrow			\leftrightarrow				\curvearrowleft		\curvearrowright	\updownarrow
7.			1		1			0				1		0	1

Fig. 1. Basic quantum key distribution protocol.

1. Alice sends a random sequence of photons polarized horizontal (\leftrightarrow), vertical (\updownarrow), right-circular (\curvearrowright) and left-circular (\curvearrowleft);
2. Bob measures the photons' polarization in a random sequence of bases, rectilinear (+) and circular (○).
3. Results of Bob's measurements (some photons may not be received at all).
4. Bob tells Alice which basis he used for each photon he received;
5. Alice tells him which bases were correct;
6. Alice and Bob keep only the data from these correctly-measured photons, discarding all the rest.
7. This data is interpreted as a binary sequence according to the coding scheme $\leftrightarrow = \curvearrowright = 0$ and $\updownarrow = \curvearrowleft = 1$.

from [BBSS92]