

Step 1: Write down plaintext and create a key

Plaintext : B C H A B A C B B C C H B B

Key : H = $\Delta + K$
 B = $\Delta X - N$
 C = $\blacktriangle S T$

Step 2: Substitute all occurrences of letter „B“

Plaintext : Δ X - N Δ X
 B C H A B A C B B C C H B B

Key : H = $\Delta + K$
 B = $\Delta X - N$
 C = $\blacktriangle S T$

Remark:
 The triangle with the dot in it was drawn very sloppy. More on that later...

Step 3: Substitute all occurrences of letter „C“

Plaintext : Δ \blacktriangle X S - N \blacktriangle T Δ X
 B C H A B A C B B C C H B B

Key : H = $\Delta + K$
 B = $\Delta X - N$
 C = $\blacktriangle S T$

Remark:
 One occurrence of the letter „C“ was overlooked

Step 4: Substitute all occurrences of letter „A“

Overlooked Sloppy
 Plaintext : Δ \blacktriangle Δ + X K S - N \blacktriangle T Δ Δ X
 B C H A B A C B B C C H B B

Key : H = $\Delta + K$
 B = $\Delta X - N$
 C = $\blacktriangle S T$

Remark:
 All plaintext letters have been substituted. Now the previously overlooked letter „C“ stands out

Step 5: Fix errors

Random Overlooked Sloppy
 Plaintext : Δ \blacktriangle Δ + X K S - N \blacktriangle T Δ Δ X
 B C H A B A C B B C C H B B

Key : H = $\Delta + K$
 B = $\Delta X - N$
 C = $\blacktriangle S T$

Remark:
 The overlooked letter is substituted by either triangle, „S“ or „T“. This breaks the cycle

Step 6: Create the final cipher from the draft above

Δ	\blacktriangle	Δ	+
X	K	S	-
N	\blacktriangle	T	Δ
\blacktriangle	X		

↑
 Error because of sloppiness