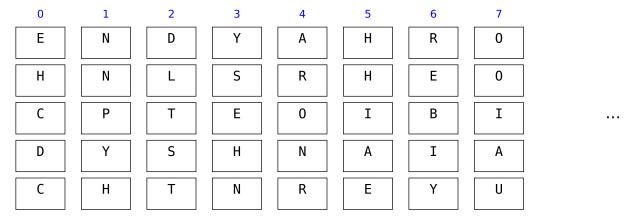
K3 Columnar Transposition (NSA Method)

Typographic cues indicate fixed transposition pattern

1. Write ciphertext in grid (by rows):



2. Read columns in keyword order:

Columns read in order determined by keyword

Co-prime Principle:

- Grid dimensions chosen to ensure full coverage
- Column count and row count are co-prime
- This prevents collisions and ensures unique mapping
- Similar principle applies to K4 wheel periods

NSA Insight: Fixed transposition patterns from typographic cues

K3 precedent → K4 uses fixed periods with co-prime properties