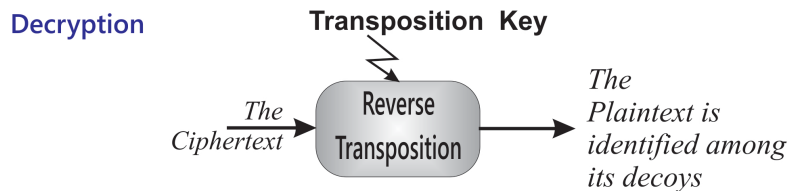
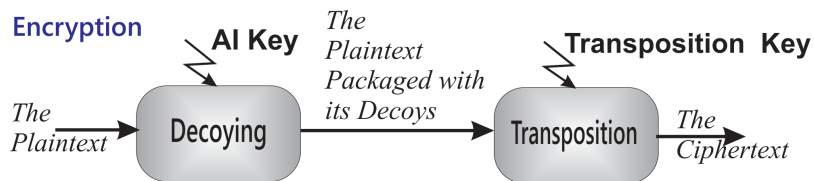


# Equivoe-T™

*Artificial Intelligence achieves a mathematically secure cipher*

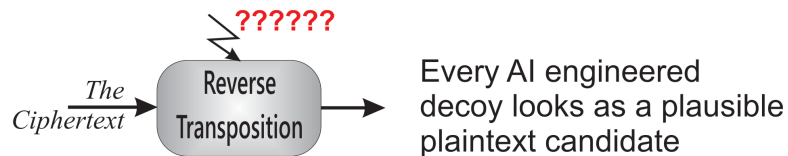
***Plaintext is mixed with AI-generated dis-information which binds the cryptanalyst to an irreducible set of mutually exclusive plausible plaintext candidates.***

As impractical as Vernam "One Time Pad" cipher has been, its security strategy: equivocation is fundamentally superior to the prevailing strategy: intractability. Intractability erodes, equivocation endures. Alas, Vernam was an overkill. Equivocation works even if only a few plaintext candidates are left as an irreducible set, which is what Equivoe-T offers.



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## Cryptanalysis



The AI engine builds decoys off the plaintext such that each decoy has a counter-meaning, or at least an off-meaning per the guarded plaintext, while claiming at least threshold plausibility to “pump” entropy into the irreducible field of plaintext candidates.

Equivoe-T uses a complete transposition algorithm that guarantees the existence of a key that matches any two arbitrarily selected permutations of the  $n$  transpositioned elements. Therefore every decoy qualifies as a plaintext. The transpositioned elements may be words, letters, a mix, or otherwise.  $n$  can be selected to add intractability to the built-in equivocation since the key space grows fast ( $|K_{transposition}| = n!$ ).