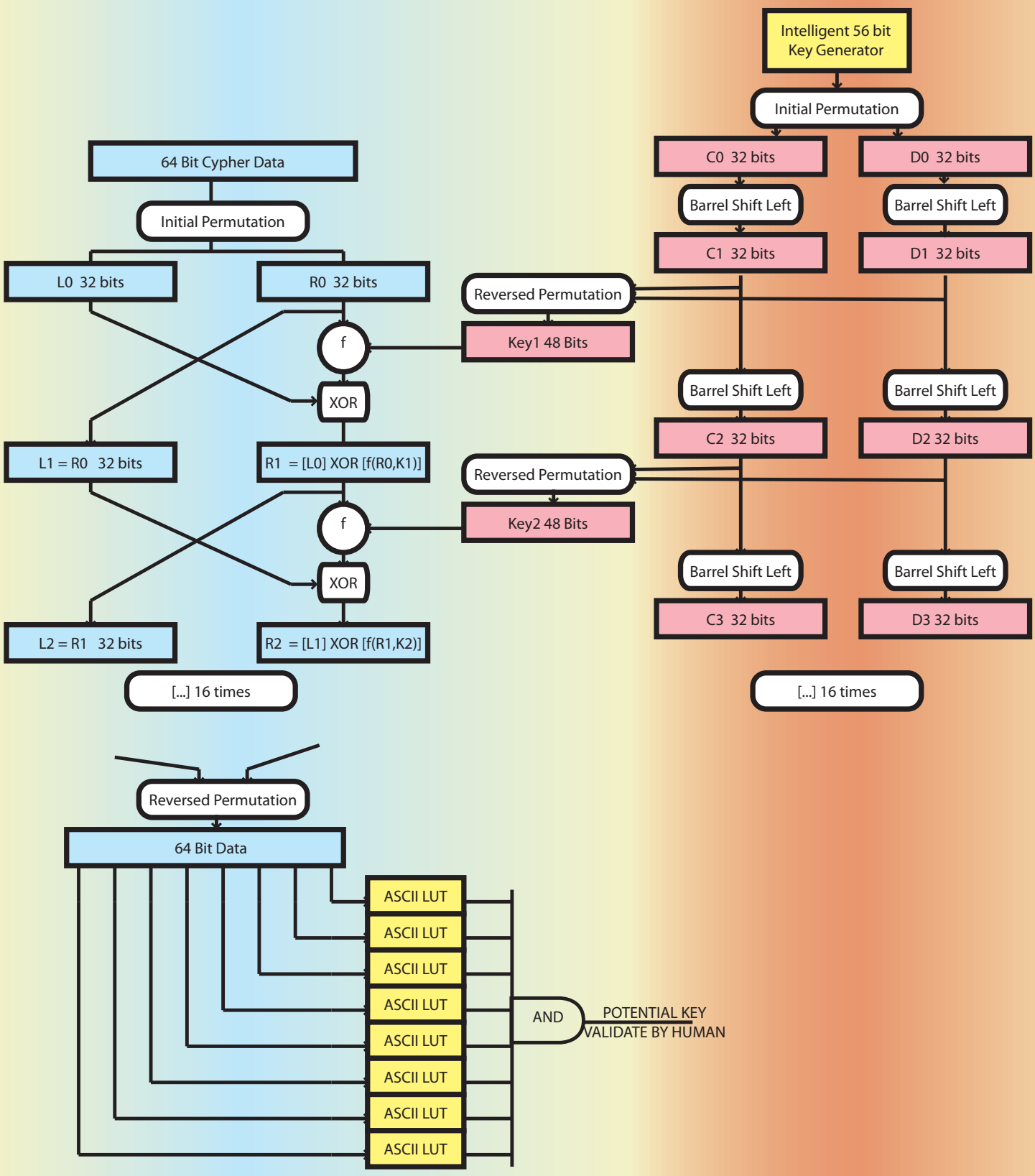
Intelligent 56 bit Key Generator
Initial Permutation
C0 32 bits
D0 32 bits
Barrel Shift Left
Barrel Shift Left
C1 32 bits
D1 32 bits
64 Bit Cypher Data
Initial Permutation
L0 32 bits
R0 32 bits
Reversed Permutation
Key1 48 Bits
f
XOR
Barrel Shift Left
Barrel Shift Left
C2 32 bits
D2 32 bits
L1 = R0 32 bits
R1 = [L0] XOR [f(R0,K1)]
Reversed Permutation
Key2 48 Bits
f
XOR
Barrel Shift Left
Barrel Shift Left
C3 32 bits
D3 32 bits
L2 = R1 32 bits
R2 = [L1] XOR [f(R1,K2)]
[...] 16 times
[...] 16 times
Reversed Permutation
64 Bit Data
ASCII LUT
ASCII LUT
ASCII LUT
ASCII LUT
ASCII LUT
ASCII LUT
ASCII LUT
ASCII LUT
AND
POTENTIAL KEY
VALIDATE BY HUMAN