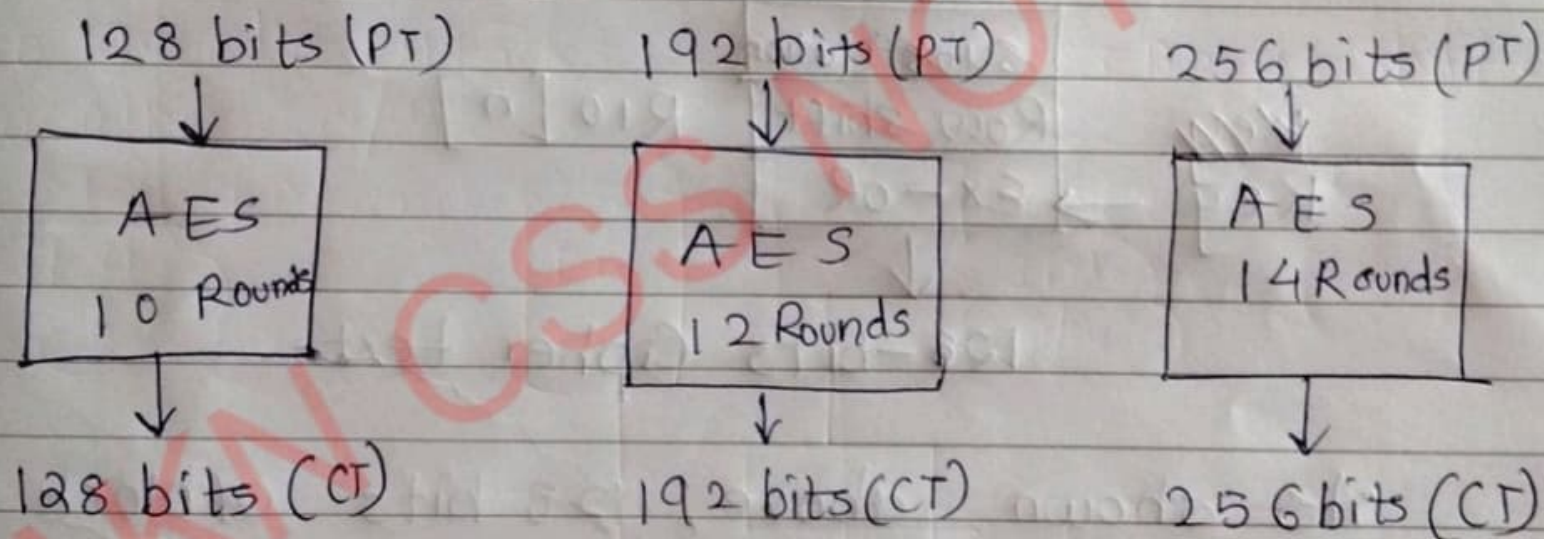
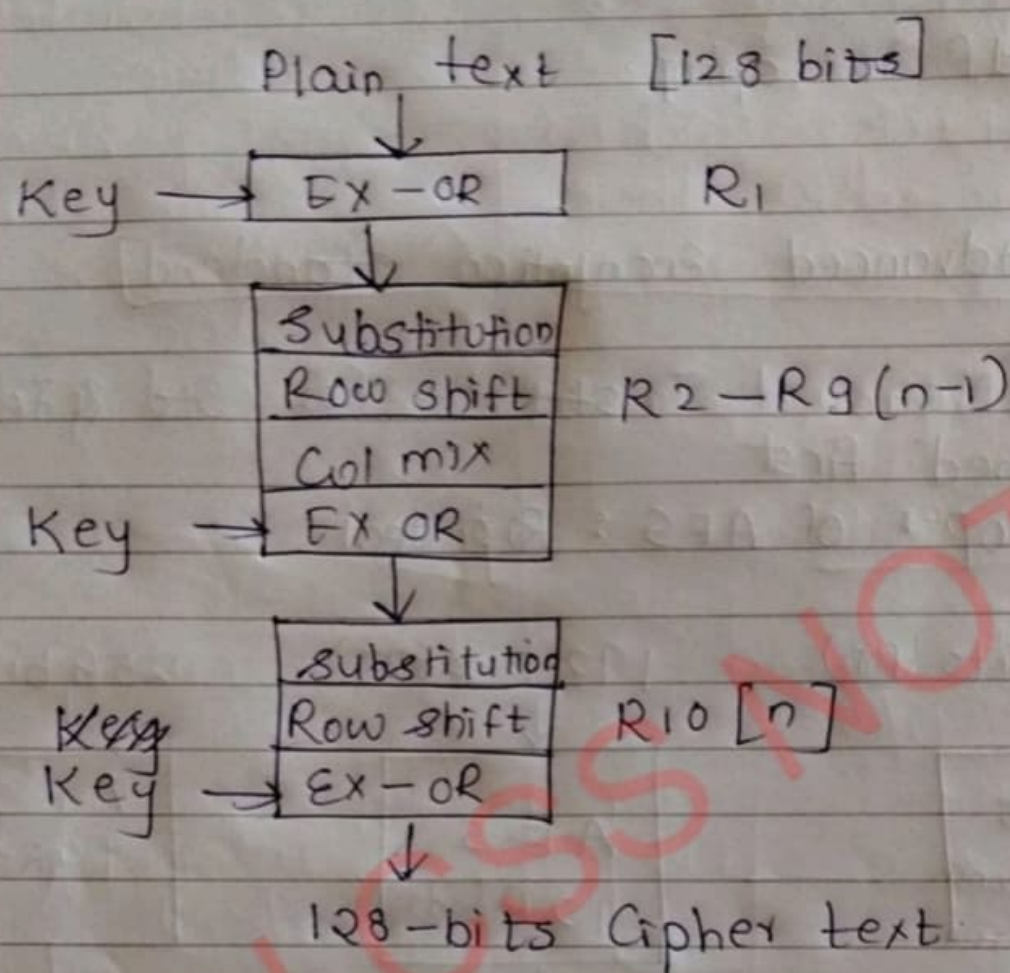


AES [Advanced Encryption Standard]

- NIST [National Institute for Std & Tech.] published first.
- Developer of AES : Rijndael.



→ Block Diagram:-



- As shown above, 128 bits of block of Plain Text in Round 1 EX-OR with Key
- From Round 2-9, 128 bits block will be mapped to 4x4 state Array
{ At a time 16 bits } will be processed with substitution, row shift & mixing of col elements, when all 128 bits are processed they will be EXORED with key.
- For last round only column mixing is skipped.