SERVER CRC

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🕏 clientdhcp.py
              🌳 serverdns.py
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                                          e serverdhcp.py
           tmp = xor(divisor, tmp)
           tmp = xor('0' * pick, tmp)
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                                                                                        e server.py
       def encode_data(data: str, key: str) -> str:
           l_key = len(key)
           appended_data = data + '0' * (l_key - 1)
           remainder = mod2div(appended_data, key)
           codeword = data + remainder
           return codeword
       def verify_data(data: str, key: str) -> bool:
           remainder = mod2div(data, key)
       def send_data(data: str, key: str, host: str = 'localhost', port: int = 12345):
           client_socket = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
           client_socket.connect((host, port))
           binary_data = string_to_binary(data)
           encoded_data = encode_data(binary_data, key)
           client_socket.send(encoded_data.encode('utf-8'))
           client_socket.close()
      def start_server(host: str = 'localhost', port: int = 12345):
           server_socket = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
           server_socket.bind((host, port))
           server_socket.listen(1)
           print(f"Server listening on {host}:{port}")
               client_socket, addr = server_socket.accept()
               print(f"Connection from {addr}")
               encoded_data = client_socket.recv(1024).decode('utf-8')
               key = input("Enter the CRC key to verify the received data: ").strip()
```

CRC OUTPUT

