Project instruction: Run main.cpp:

Generate mceliece matrix parameters:
S, S-invers, P, P-invers,

Generate A and As and G_{As}

Generate PubliceKey:
G'=S-inver. G_{As}.P

Generate error-Ad and Encode:
c=m.G'+e

Decode c and extract decipher, decode decipher and generate massage and calculate errors.