When $N=4$, the two type errors are close but the error of m-pre is large than the same error when $N=100$.

As same as (a). $G = \begin{bmatrix} 5 & 0 & 0 & 0 \\ 5 & 5 & 0 & 0 \\ 5 & 5 & 5 & 0 \\ 5 & 5 & 5 & 5 \end{bmatrix}$

The standard deviation of noise is 5×10^{-5}s.

5 is larger than 5×10^{-5} compared to 0.2 (when $N=100$). i.e., when $N=4$, the impact of noise is smaller than the condition when $N=100$.