

`%%Key sensitivity test`

```
PerturbedSequence = Sequence;  
ChangedIndex = randi(length(PerturbedSequence));  
PerturbedSequence(ChangedIndex) = 1-PerturbedSequence(ChangedIndex);  
  
PerturbedLifeEncoded = Encoder(Image,PerturbedSequence,'Life',1,  
    Iterations);  
PerturbedFredkinEncoded = Encoder(Image,PerturbedSequence,'Fredkin',1,  
    Iterations);  
  
fprintf("Correlation of images encrypted with password differing in a  
    part in 10^12:\n")  
fprintf(" Life: %f\n Fredkin %f\n",...  
    corr2(LifeEncoded,PerturbedLifeEncoded),...  
    corr2(FredkinEncoded,PerturbedFredkinEncoded));
```