This segment: given $0 < s \leq 2^n$, build a PRP on $\{0,\ldots,s-1\}$

from a secure PRF $\mathbf{F: K \times \{0,1\}^n \longrightarrow \{0,1\}^n}$ (e.g. AES)

Then to encrypt a credit card number: (s = total # credit cards)

1. map given CC# to $\{0,\ldots,s-1\}$
2. apply PRP to get an output in $\{0,\ldots,s-1\}$
3. map output back a to CC#