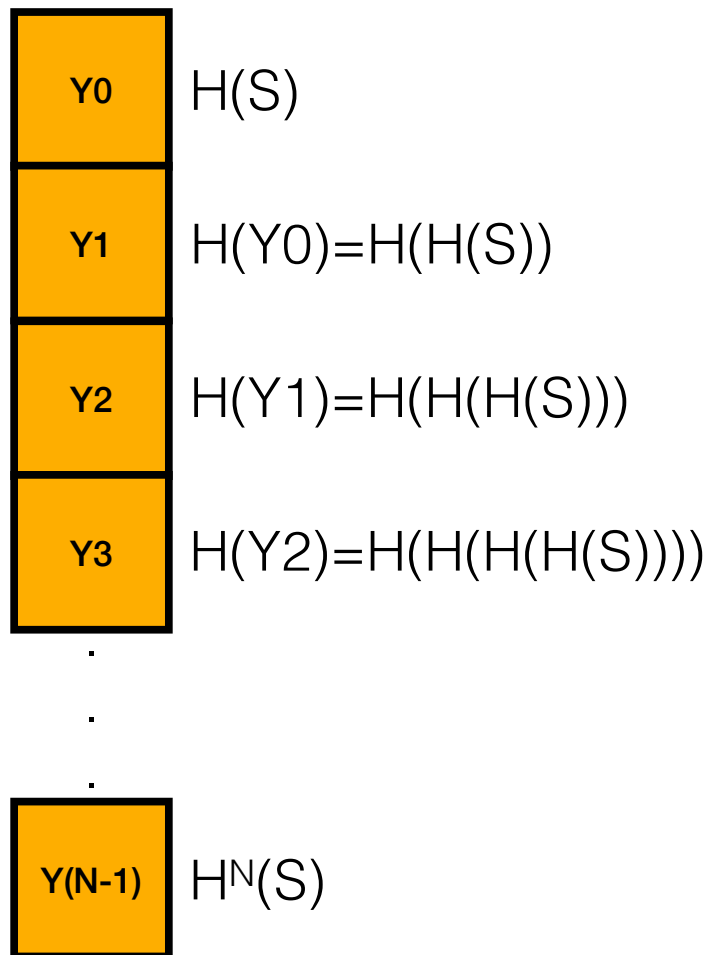


# Script

- Memory-hard function used in Litecoin, Dogecoin, ...
- ASIC resistant (but it depends on how parameters are selected...)
- Used for password hashing



### Script:

```
T = H(Y(N-1))  
for i = 0, ..., N-1  
    j = int(T) mod N  
    T = H(T ⊗ Yj)  
return T
```

- Time/memory tradeoffs: store fewer  $Y_i$ 's and compute  $Y_j$  from any  $Y_i$  with  $i < j$
- BAD as PoW: It is a password hashing scheme so verifier must perform same steps and use the same amount of memory

# Message Authentication Codes (MAC)

