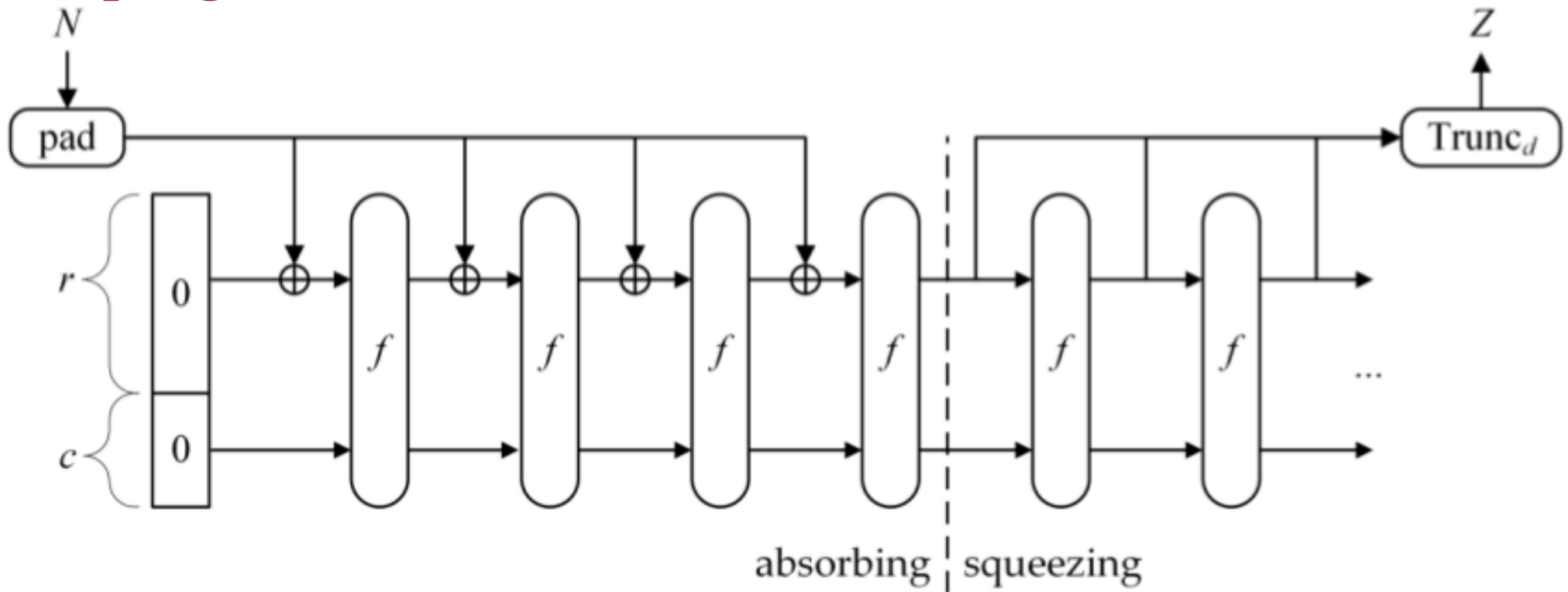


# Hash Algorithms

## SHA-3

**sponge construction:**



The rate  $r$  is a positive integer that is strictly less than the width  $b$ .  
The capacity  $c$  is such that  $r + c = b$ .