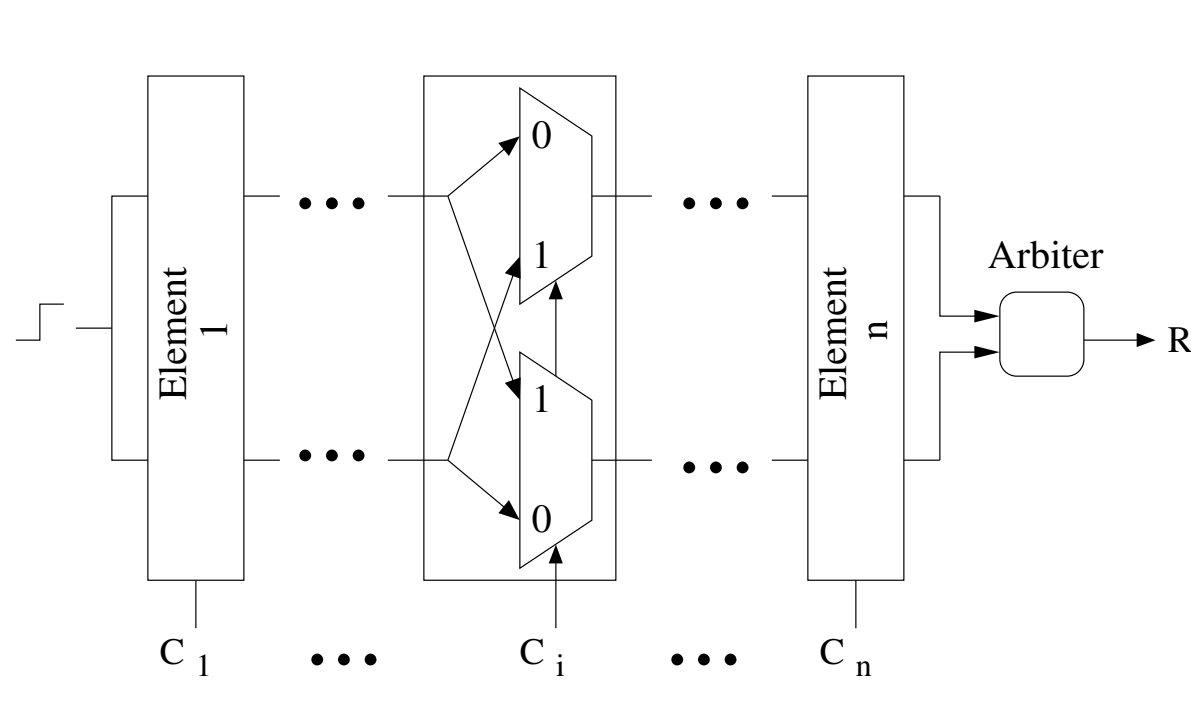
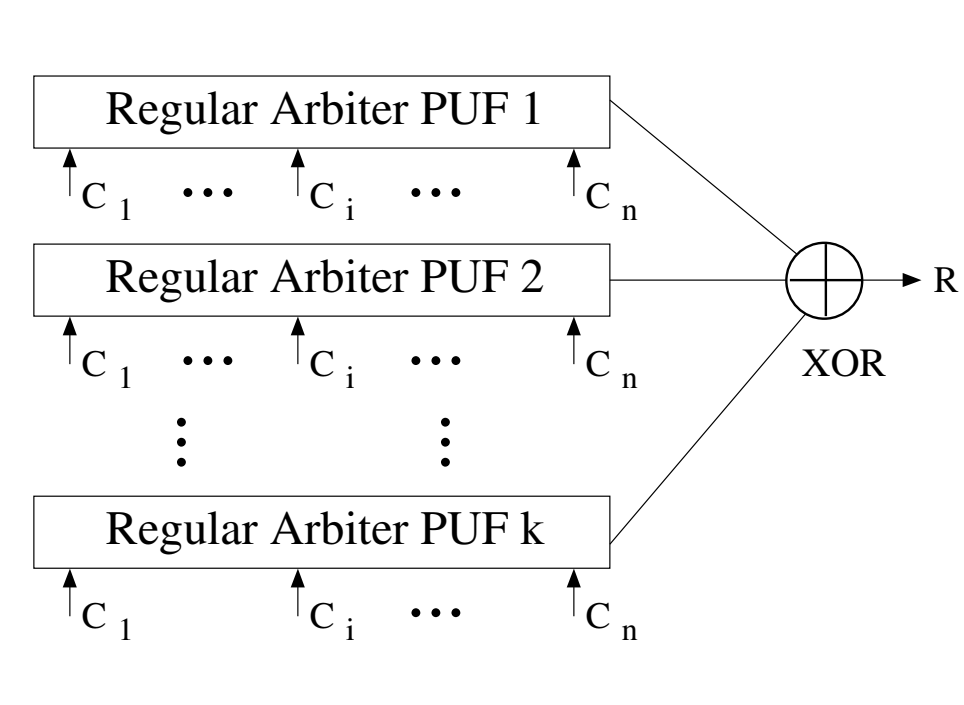


(a) Loop PUF



(b) Regular Arbiter PUF



(c) XOR Arbiter PUF