

Table: Number of Impossible Functions

n	N	I
1	4	0
2	16	2
3	256	152
4	65,536	63,654
\vdots	\vdots	\vdots
n	2^{2^n}	$\geq 2^{2^{n-1}} - 2$

(a) One single PUF

N	I
4	0
16	0
256	2
65,536	11,226
\vdots	\vdots
2^{2^n}	???

(b) 2 XORed PUFs

N	I
4	0
16	0
256	0
65,536	2
\vdots	\vdots
2^{2^n}	???

(c) 3 XORed PUFs