

Table: 4 Boolean functions induced by an arbiter PUF with one switch block.

	Challenge		$f(x_1)$
	$x_1 = 0$	$x_1 = 1$	
00	$d_{11} < d_{12}$	$d_{13} > d_{14}$	0
01	$d_{11} > d_{12}$	$d_{13} < d_{14}$	1
10	$d_{11} < d_{12}$	$d_{13} < d_{14}$	x_1
11	$d_{11} > d_{12}$	$d_{13} > d_{14}$	$\overline{x_1}$