$\mathbf{Judge}\ J$	Adversary A
sample uniform $x \in \{0, 1\}^k$ y := f(x)	
	ightharpoonup J.y
	$\ell := 0$
	while not $M(1^{\ell}, \epsilon, J.y)$:
	$x := \epsilon$ $\mathbf{for} \ i = 1 \dots \ell;$
	if $M(1^{\ell}, x 0, J.y)$ then
	$ x := x \ 0$
	else
	$x := x \ 1$
ightharpoonup A.x	
$\mathbf{return}\ y \stackrel{?}{=} f(A.x)$	