

Judge J

sample uniform $x \in \{0, 1\}^k$
 $y := f(x)$

► x'
return $y \stackrel{?}{=} f(x')$

Inverter I

► y
 $\ell := 0$
while not $M(1^\ell, \epsilon, y)$:
 $\ell := \ell + 1$
 $x' := \epsilon$
 for $i = 1 \dots \ell$:
 if $M(1^\ell, x' || 0, y)$ **then**
 $x' := x' || 0$
 else
 $x' := x' || 1$