

CG 9/17/2011

DEUTSCH



CANNOT LOOK INSIDE

BUT WE CAN RUN IT.

$F(0)$   
 $F(1)$  } NOW WE KNOW  $F$

(INSTEAD OF ASKING  $F(0), F(1)$ )

WANT TO ASK IS  $F$  BALANCED CONSTANT

1 BIT OF INFO

CLASSIC: TAKES 2 EVALS.

Q: NEEDS ONLY 1.