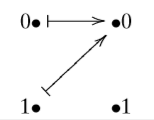
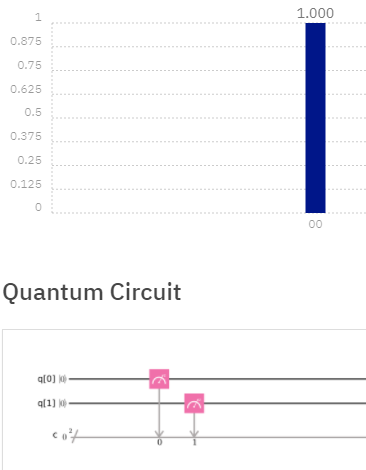
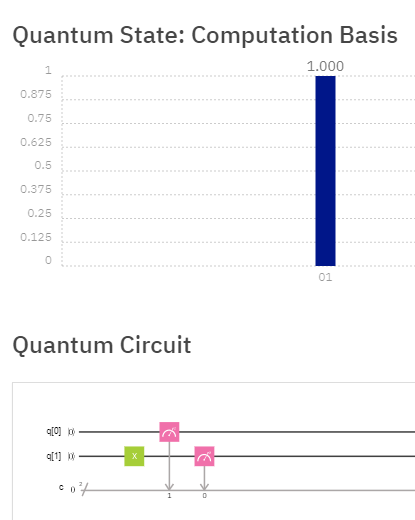
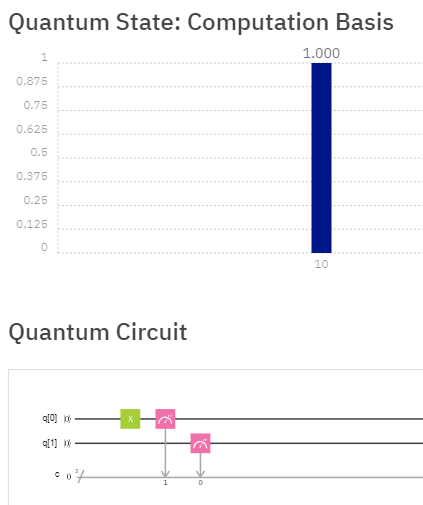
**Carlos Manuel Murillo Ibáñez**

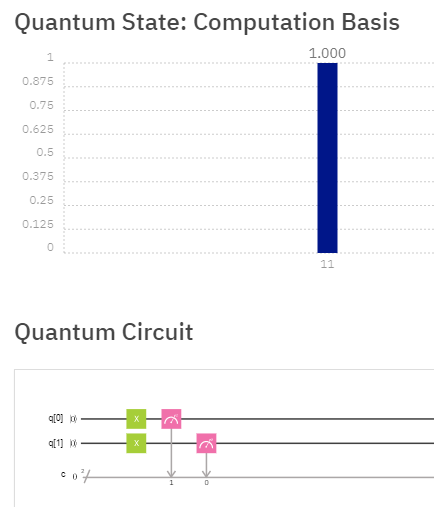
1. Implemente las 4 funciones posibles de {0,1} a {0,1} usando el computador cuántico de IBM.

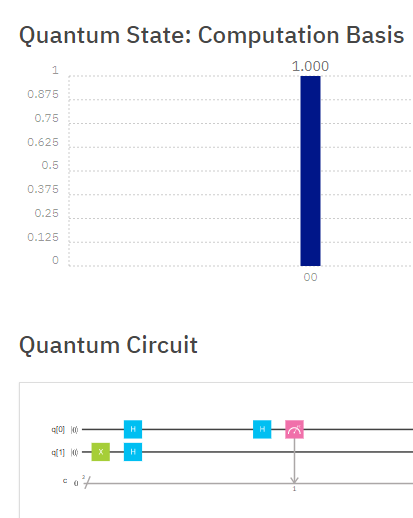


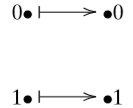


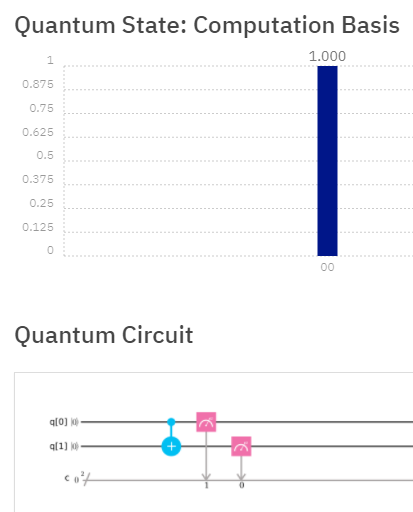


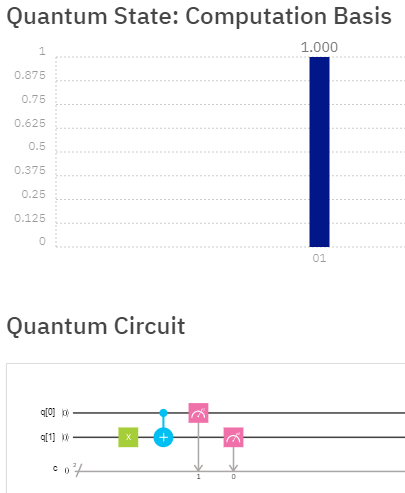


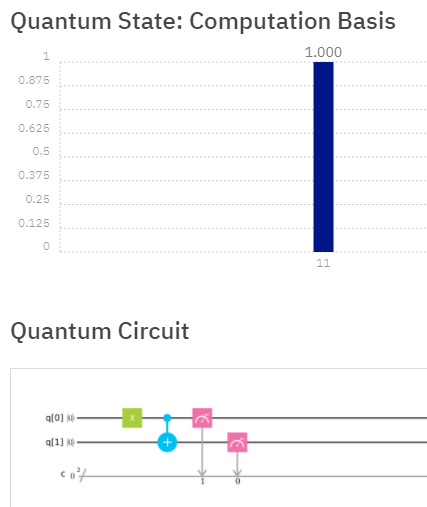
**UTILIZANDO EL ALGORITMO DE DEUTSCH MOSTRAMOS QUE ES CONSTANTE:**

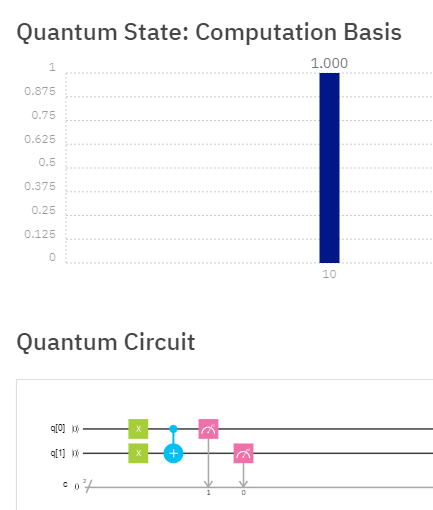


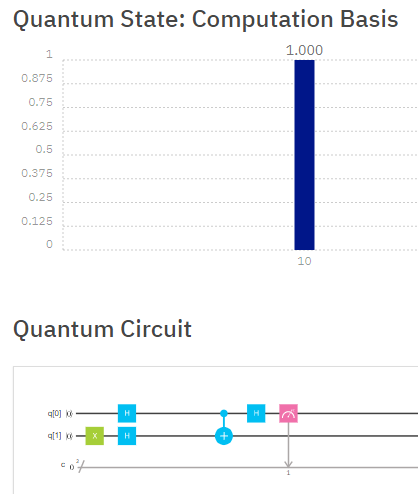


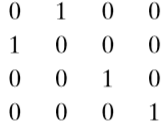


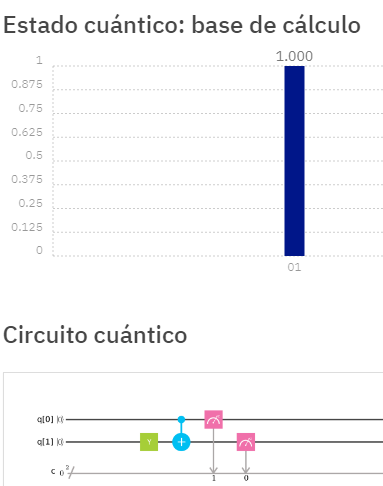


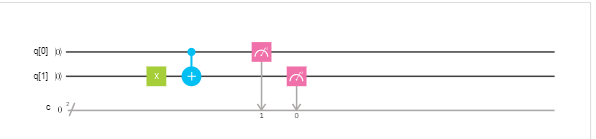


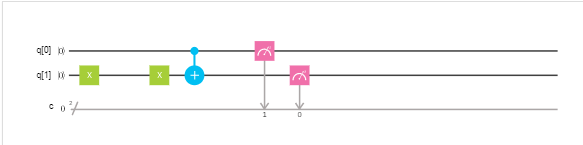
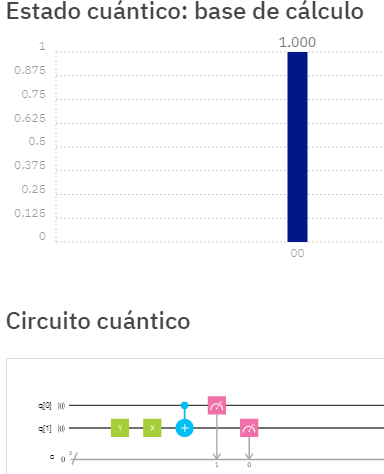
**UTILIZANDO EL ALGORITMO DE DEUTSCH MOSTRAMOS QUE ES BALANCEADA:**

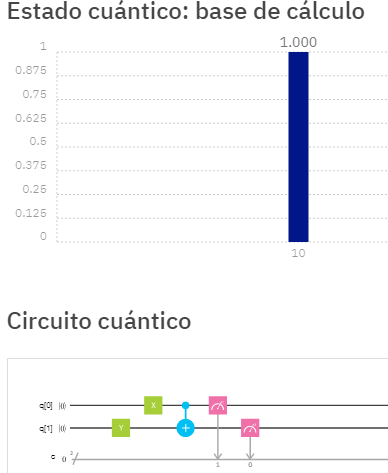


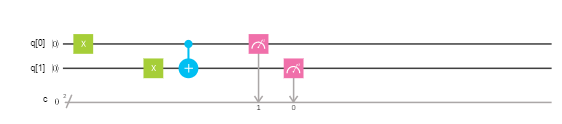
 

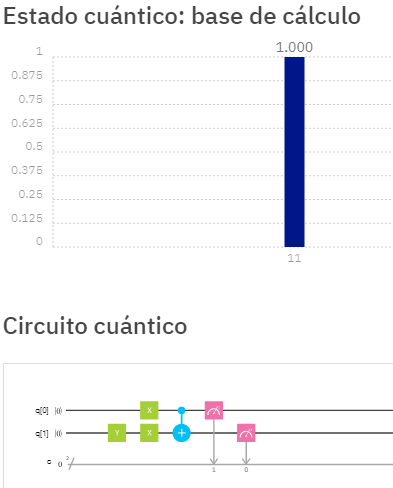


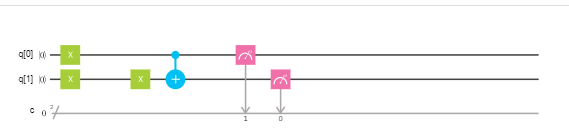








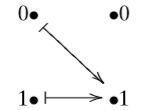


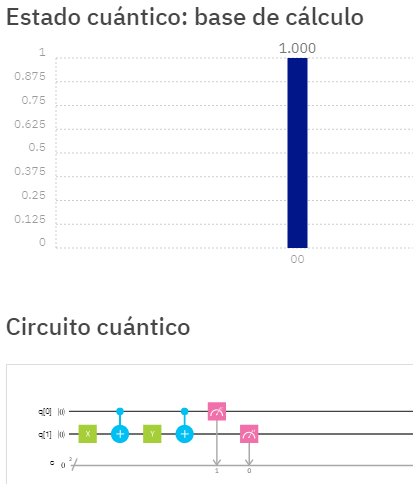


**UTILIZANDO EL ALGORITMO DE DEUTSCH MOSTRAMOS QUE ES BALANCEADA:**

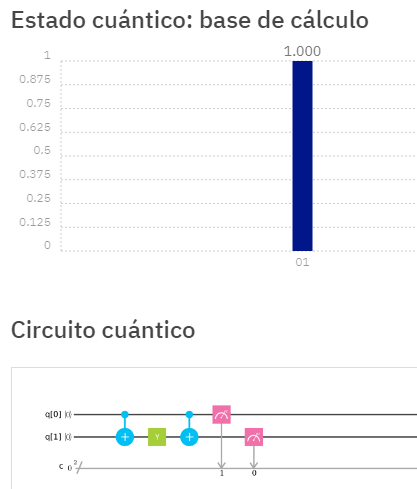
**Imagen que contiene captura de pantalla

Descripción generada automáticamente**

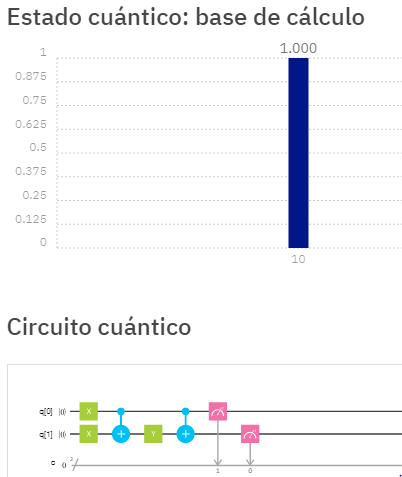
 



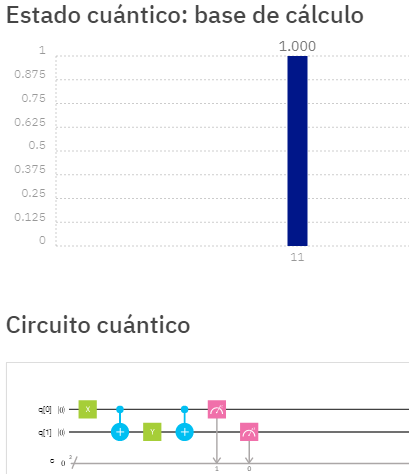












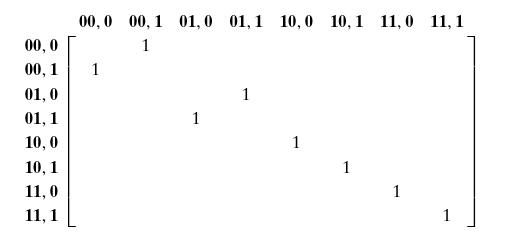
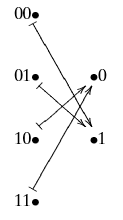


**UTILIZANDO EL ALGORITMO DE DEUTSCH MOSTRAMOS QUE ES CONSTANTE:**

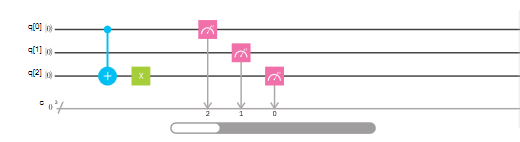
Imagen que contiene captura de pantalla

Descripción generada automáticamente

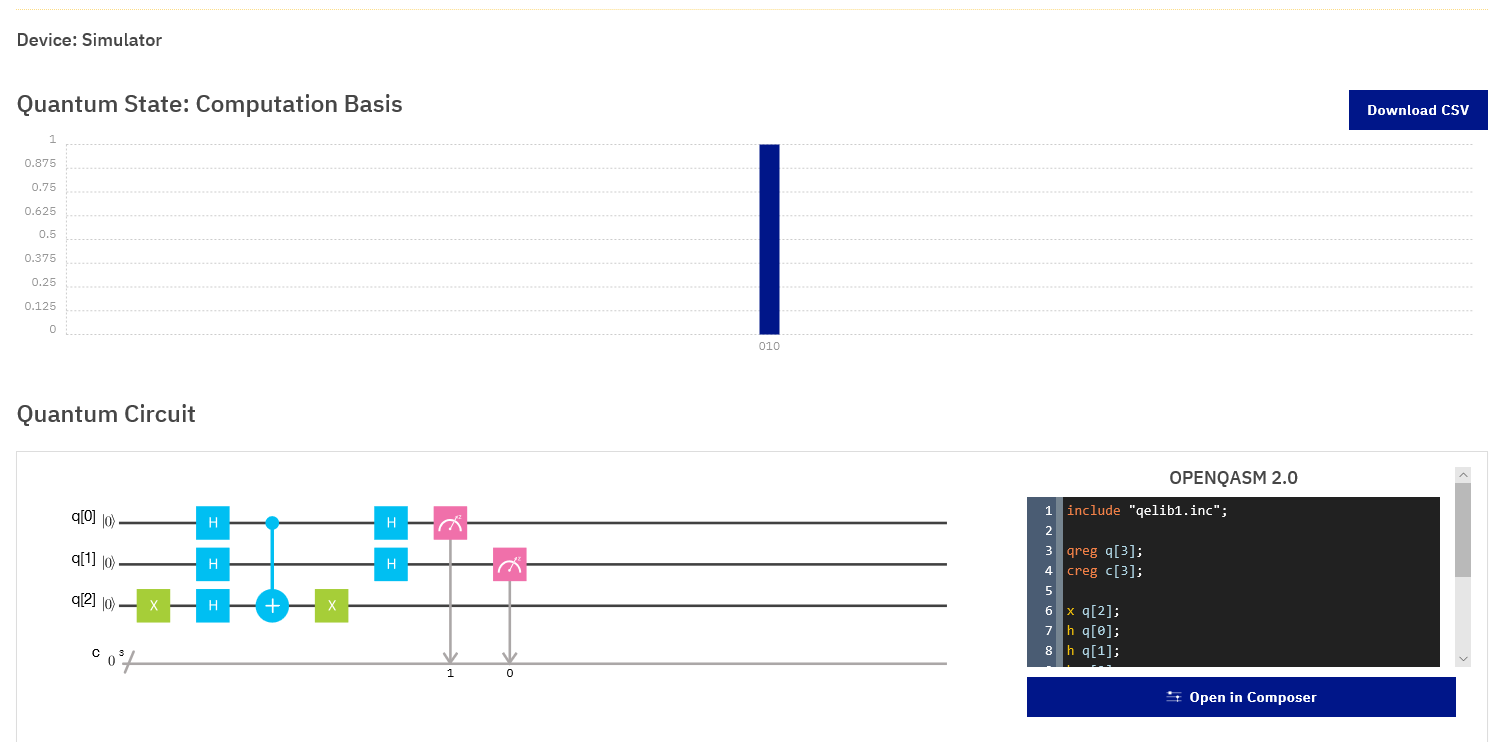
**ALGORITMO DE DEUTSCH- JOZSA N=2**

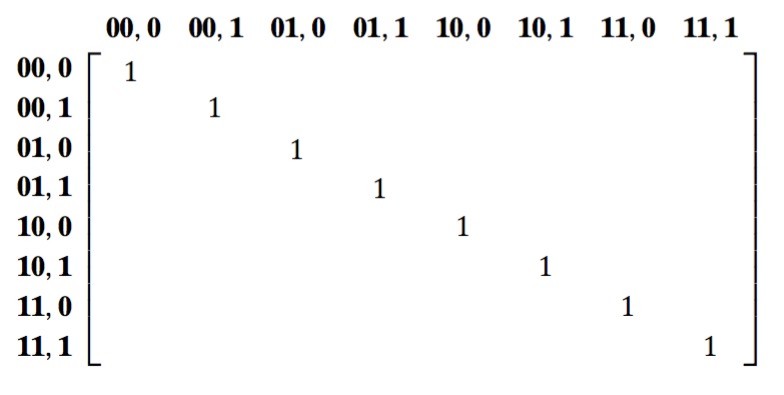
Implemente al menos 2 funciones con n= 2 para probar el funcionamiento del algoritmo Deustch-Jozsa

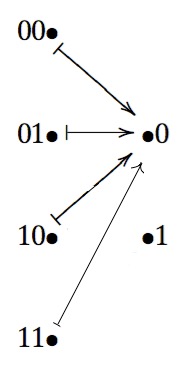
La función que se implementa en IBM es:



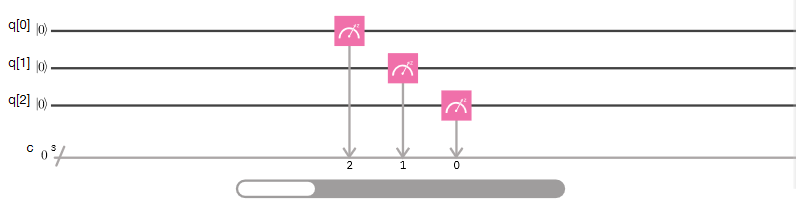
**MOSTRAMOS QUE ES UNA FUNCIÓN BALANCEADA POR MEDIO DEL ALGORITMO DE DEUTSCH JOZSA:**



* + - 1. 



La función que se implementa en IBM es:



**MOSTRAMOS QUE ES UNA FUNCIÓN CONSTANTE POR MEDIO DEL ALGORITMO DE DEUTSCH JOZSA:**

