

**output = 0**

Thread 1

**READ**  
**output = 0**

**COMPUTE**  
**output + x[1]**

**WRITE**  
**output = x[1]**

**READ**  
**output = x[1]**

**COMPUTE**  
**output + x[2]**

**WRITE**  
**output = x[1] + x[2]**



**FINAL RESULT**  
**output = x[1] + x[2]**