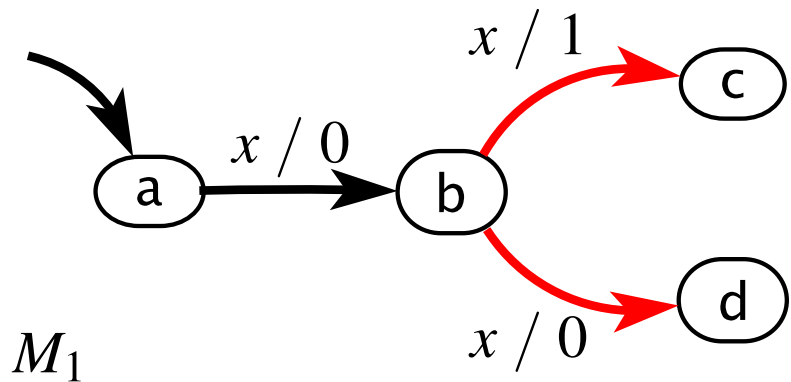
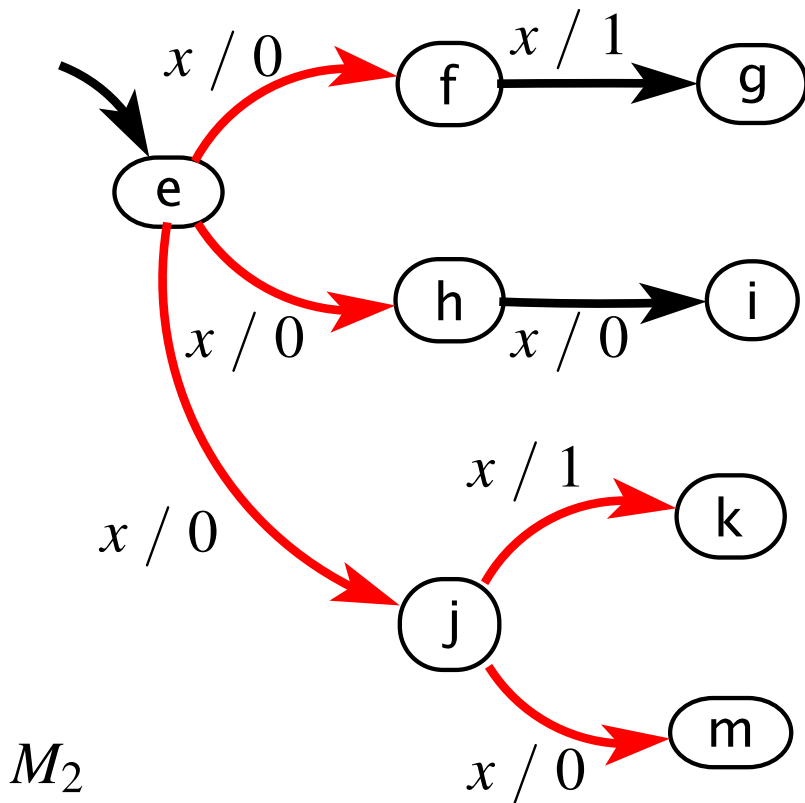


**input:**  $x$ : pure  
**output:**  $y$ :  $\{0, 1\}$



(a)

**input:**  $x$ : pure  
**output:**  $y$ :  $\{0, 1\}$



(b)