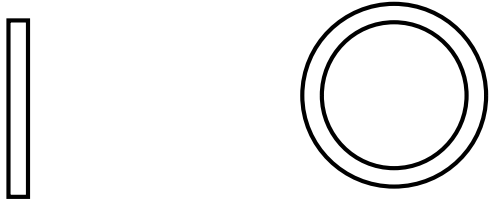
(a) Input Output

(b)