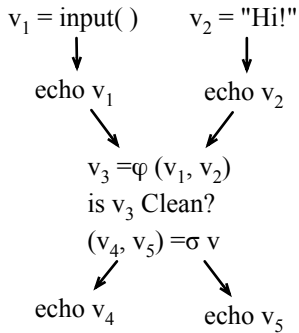
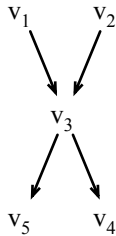


(a)



(b)



(c)

$I(v_1) = \{T\}$
 $I(v_2) = \{F\}$
 $I(v_3) = I(v_1) \ \& \ I(v_2)$
 $I(v_4) = \{T\}$
 $I(v_5) = \{F\}$

(d)