

Table of Notation for Noninterference and Nondeducibility

<i>symbol</i>	<i>meaning</i>
S	set of subjects s
Σ	set of states σ
O	set of outputs o
Z	set of commands z
C	set of state transition commands (s, z) , where subject s executes command z
C^*	set of possible sequences of commands c_0, \dots, c_n
ϵ	empty sequence
c_s	sequence of commands
$T(c, \sigma_i)$	resulting state when command c is executed in state σ_i
$T^*(c_s, \sigma_i)$	resulting state when command sequence c_s is executed in state σ_i
$P(c, \sigma_i)$	output when command c is executed in state σ_i
$P^*(c_s, \sigma_i)$	output when command sequence c_s is executed in state σ_i
$proj(s, c_s, \sigma_i)$	set of outputs in $P^*(c_s, \sigma_i)$ that subject s is authorized to see
$\pi_G(c_s)$	subsequence of c_s with all elements (s, z) , $s \in G$, deleted
$\pi_A(c_s)$	subsequence of c_s with all elements (s, z) , $z \in A$, deleted
$\pi_{G,A}(c_s)$	subsequence of c_s with all elements (s, z) , $s \in G$ and $z \in A$ deleted
$dom(c)$	protection domain in which c is executed
$\sim^{dom(c)}$	equivalence relation on system states
$\pi'_d(c_s)$	analogous to π above, but with protection domain and subject included