Table of Notation for Noninterference and Nondeducibility

symbol	*meaning*
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 $c_0,\ldots,c_n$
ν	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
$\pi'_d(c_s)$	analogoua to π above, but with protection domain and subject included