Definitions and examples

$$((I))_1[5] = \begin{matrix} F \\ (I)_i \\ F \end{matrix} = \begin{matrix} F \\ I \\ \text{EI} \\ E \\ F \end{matrix}.$$

How to specify

F	a
I	b
EI	c ?
E	d
F	e

Example

$((I))_1$ can have values a-e and represented in terms of emptiness of a-e:

F	a
I	b
EI	c , a to e are empty or non-empty(0 or 1).
E	d
F	e

For example, we may have a code that contains:

F	1		
I	1	$F = a = 1$	$((\text{I}))_1[0]$=a=1
EI	1 =	$(I)[0] = b = 1$ or	$((\text{I}))_1[1]$=b=1 which means a,b,c are non-empty.
E	0	$(I)[1] = c = 1$	$((\text{I}))_1[2]$=c=1
F	0		

The example case is classified as $((\text{I}))_1[3]$ which is of $((\text{I}))_1$ type that contains $\begin{matrix} 1 \\ 1 \\ 1 \end{matrix}$.