$\Rightarrow$ F is biholomorphic.

Since $F : \tilde{V} = V \times \mathbb{C}^n \longrightarrow \tilde{V}' = V' \times \mathbb{C}^n$

$(a, b) \longmapsto (f(a), f(a) - f(a-b))$,

$F(\tilde{V}) = \tilde{V}'$.

$\Rightarrow$ $F(\tilde{V} \cap \tilde{W}) = \tilde{V}' \cap \tilde{W}'$.

$$\begin{tikzcd}
\tilde{V} \cap \tilde{W} \arrow[r, "F"] \arrow[d, "\pi_2"] & \tilde{V}' \cap \tilde{W}' \arrow[d, "\pi_2"] \\
\mathbb{C}^n \arrow[r] & \mathbb{C}^n
\end{tikzcd}$$

not commutative.

Observation : For $a \in \Delta'$ lying outside an analytic subvariety of Δ', assume that V and $W + a$ meet transversely in μ points in Δ'.

Consider $V' = f(V)$.

Let $f : \mathbb{C}^n \longrightarrow \mathbb{C}^n$ be locally around 0 s.t $f(0) = 0$ biholomorphic, as above.

$\Rightarrow$

Let $\tilde{V} \cap \tilde{W} \xrightarrow{\pi_2} \mathbb{C}^n$ be a μ-sheeted branched covering

and $\tilde{V}' \cap \tilde{W}' \xrightarrow{\pi_2} \mathbb{C}^n$ be a μ'-sheeted branched covering.

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