

$l \in B_L \Rightarrow l = \sigma(p, h) \Rightarrow \overline{p, p_L} \in l \cap L$ if $p \neq p_L$.
 $\Rightarrow \pi(p) = \pi \circ j(l) = \overline{p, p_L} = l \cap L$. In case $p = p_L$, $\overline{p_L, p_L}$ is the
 tangent line of C_L at p_L , since h_L is not tangent
 plane of S' at p_L , and $h_L \cap S'$ is smooth at p_L .
 $\Rightarrow l = \sigma(p_L, h) \Rightarrow \pi \circ j(l) = \pi(p_L) = \overline{p_L, p_L} = h \cap h_L$ by P165
 P175. $h \cap h_L$ is tangent to C_L in case $p_L \notin S-R$.
 If $p_L \in R$, then $\sigma(p_L, h_L) = L$ is a multiple component
 of $T_x(X) \cap X$, $x \in L$. \Rightarrow Since L is not special,
 contradiction. $\Rightarrow \gamma = \pi \circ j|_{B_L}$

□

To start, we note that the pencil $\{l_x\}_{x \in L}$ contains
 10 tangent lines to S' : two singular lines corresponding
 to points of intersection of L with $\Sigma = X \cap H$, and
 eight nonsingular tangents, corresponding to the eight
 points of intersection of L and Δ . (In fact, only
 eight of these lines — namely the eight nonsingular
 tangent lines — correspond to honest branch points
 of the map $\gamma: B_L \rightarrow L$.)

$\square L \cap \Sigma = L \cap (X \cap H) = L \cap H$ since $L \subset X$.
 \Rightarrow Since $\deg H = 2$, $\#(L \cap \Sigma) = \#(L \cap H) = 2$.
 \Rightarrow Again by P165 & P175, if $\pi(x) = p \in S-R$, $l_x =$
 $h_1 \cap h_2$ is tangent to S' at p , $\sigma(p) \cap H = \sigma(p, h_1)$
 $\cup \sigma(p, h_2)$. If $\pi(x) \in R$, since it is a double
 point, automatically, l_x is tangent to S' at p .