NO.

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As we saw above, the # of lines in $T_x(X) \cap X$ is ≤ 4. $\Rightarrow$ $\#(\tau^{-1}(x)) = 4$ with multiplicities.
$\Rightarrow$ τ is a fourfold covering map.

⅃

Now $K_E = 0$ and, as we have seen, the generic curve D_v is smooth, so

$$\deg K_D = 32;$$

thus the map τ must have 32 branch points.

「 By P781, $g(D_v) = 17$. $\Rightarrow$ $\deg K_D = 2g - 2 = 34 - 2 = 32$.
$\Rightarrow$ By P219, since $\deg K_D = 4 \cdot \deg K_E + b$, b is the # of branch points, $b = 32$. I think, 'a second computation' is a wrong expression. since we can not obtain $\deg K_D = 32$ without referring P781.

⅃

But the branch locus of τ in E is just the set of points $x \in E$ having fewer than four lines through them: thus

$$\deg \Delta = \#(\Delta \cdot V_3)_{\mathbb{P}^5} = 32.$$

「 For generic V_3, $\#(\Delta \cdot V_3) = $ # of special lines meeting V_3 = # of branch points of τ = 32.
Note here that $\dim \Delta = 2$ for