NO.

DATE . . ( )

sents the cycle

$$A \sim 16\,(\sigma_{2,1}\cdot\sigma_{2,1});$$

in particular, the intersection number of A with the Schubert cycles

$$\sigma_{1,1}(V_4) = \{L \subset \mathbb{P}^5 : L \subset V_4\}$$

and

$$\sigma_2(V_2) = \{L \subset \mathbb{P}^5 : L \cap V_2 \neq \phi\}$$

in $G(2,6)$ is given, according to our reduction formulas, by

$$\begin{aligned}\#(A\cdot\sigma_{1,1}) &= 16\,\#(\sigma_{2,1}\cdot\sigma_{2,1}\cdot\sigma_{1,1})_{G(2,6)}\\ &= 16\,\#(\sigma_1\cdot\sigma_1)_{G(2,3)}\\ &= 16\end{aligned}$$

and

$$\begin{aligned}\#(A\cdot\sigma_2) &= 16\cdot(\sigma_{2,1}\cdot\sigma_{2,1}\cdot\sigma_2)_{G(2,6)}\\ &= 16\cdot(\sigma_1\cdot\sigma_1\cdot\sigma_2)_{G(2,4)}\\ &= 16.\end{aligned}$$

Γ By the result on P741, $\overset{\tau(F)}{=}\Sigma_{1,4} \sim 2^2\cdot\sigma_{2,1} = 4\,\sigma_{2,1}$

$\Rightarrow\quad A = \tau(F)\cap\tau(G) \sim 16\,(\sigma_{2,1}\cdot\sigma_{2,1})$

$\dim A = (\dim\tau(F) + \dim\tau(G) = 2\dim\sigma_{2,1}) - \dim G(2,6)$

$\quad = 2\times(8-3) - 8 = 2.$

$\sigma_{1,1} = \{\Lambda : \dim(\Lambda\cap\overline{V}_{4+i-a_i}) \geq i\} \subset G(2,6)$

$\quad = \{\Lambda : \dim(\Lambda\cap\overline{V}_4)\geq 1,\ \dim(\Lambda\cap\overline{V}_5)\geq 2\}$

$\Rightarrow\quad \Lambda\subset\overline{V}_5 \quad\Rightarrow$ If we use projective planes,

$\Lambda \subset \mathbb{P}(\overline{V}_5) = V_4 \quad\Rightarrow$ Since $\overline{V}_4\subset\overline{V}_5,\quad \Lambda\cap V_3\neq\phi.$

$\Rightarrow\quad \sigma_{1,1} = \{\Lambda : \Lambda\subset V_4\}.$