Practice Problems about Independence.

Show that $I1, I2, I3, P$ are indpendent statements by exhibiting an incidence structure $\langle \mathcal{P}, \mathcal{L}; I \rangle$ satisfying

(1) $I1 \wedge I2 \wedge I3 \wedge \neg P$:

(2) $I1 \wedge I2 \wedge \neg I3 \wedge P$:

(3) $I1 \wedge \neg I2 \wedge I3 \wedge P$:

(4) $\neg I1 \wedge I2 \wedge I3 \wedge P$: