$$\begin{array}{l}
\mathfrak{O}\left[\left(p \to q\right) \wedge \left(\operatorname{1r} \vee s\right) \wedge \left(\operatorname{pvr}\right)\right] \to \left(\operatorname{1q} \to s\right) \\
\left(\operatorname{1p} \vee q\right) \wedge \left(\operatorname{pvr}\right) \wedge \left(\operatorname{1r} \vee s\right) & \operatorname{resolution} & \operatorname{pres} \\
\left(\operatorname{q} \vee r\right) \wedge \left(\operatorname{1r} \vee s\right) & \operatorname{resolution} & \operatorname{pvr} \\
\left(\operatorname{rvq}\right) \wedge \left(\operatorname{rvs}\right) & \operatorname{resolvtion} & \operatorname{pvr} \\
\left(\operatorname{qvs}\right) & \operatorname{resolvtion} & \vdots & \operatorname{1q} \to s
\end{array}$$

$$\begin{array}{l}
\mathfrak{O}\left[\left(\operatorname{p} \to q\right) \wedge \left(\operatorname{1r} \vee s\right) \wedge \left(\operatorname{1r} \vee s\right)\right] \to \left(\operatorname{1q} \to s\right) \\
\left(\operatorname{qvs}\right) \wedge \left(\operatorname{1r} \vee s\right) & \operatorname{resolvtion} & \operatorname{pvr} \\
\vdots & \operatorname{1q} \to s
\end{array}$$

- @ [(p114) 1 r] (p1r) vq
 - 1 PA 19
 - ② r...(pnr) vq
 - 3 P simplificación 1.
 - 4 PAr conjuncion 2 y3
 - (prq) vq adición

3 $[P\Lambda (p\rightarrow q)\Lambda (1qVr)] \rightarrow r$

- 9 P 2 P→q 3 1qvr