$$\dfrac{\dfrac{\dfrac{}{P \vdash P}\,\text{hyp}}{P \vdash P\vee Q}\vdash\vee(L) \qquad \dfrac{\dfrac{}{P \vdash P}\,\text{hyp}}{P \vdash P\vee R}\vdash\vee(L)}{P \vdash (P\vee Q)\wedge(P\vee R)}\vdash\wedge \qquad \dfrac{\dfrac{\dfrac{\dfrac{\dfrac{}{Q, R \vdash Q}\,\text{hyp}}{Q, R \vdash P\vee Q}\vdash\vee(R) \qquad \dfrac{\dfrac{}{Q, R \vdash R}\,\text{hyp}}{Q, R \vdash P\vee R}\vdash\vee(R)}{Q, R \vdash (P\vee Q)\wedge(P\vee R)}\vdash\wedge}{Q\wedge R \vdash (P\vee Q)\wedge(P\vee R)}\wedge\vdash}{P\vee(Q\wedge R) \vdash (P\vee Q)\wedge(P\vee R)}\vee\vdash$$