

Tristan, Cadence, Yuwen

1. $\pi_{name} \pi_{age} ((\sigma_{date=1999-12-31} \sigma_{lift=12345} R_{ode}) \times Passholder)$
2. $\pi_{name} \pi_{age} (\sigma_{date=1999-12-31} \sigma_{lift=12345} (R_{ode} \bowtie_{passID} Passholder))$
3. $\pi_{name} \pi_{city} (\sigma_{topElevation > 12500} ((Lift \bowtie_{liftnumber} PartOf) \bowtie_{ResortName} Resort))$
4. $\pi_{name} (\sigma_{ResortName = 'vail'} ((R_{ode} \bowtie_{passID} Passholder) \bowtie_{passID} ValidAt))$
5. let $R = \pi_{passID, ResortName} ValidAt$
let $S = \pi_{ResortName} ValidAt$ $R \bowtie S$