PA 3

1.1 Composer $\gamma_{AVG(Millisec)}$ (Tracks)

1.2 $\gamma_{COUNT(*) \text{ AS NUMUNIQUE}}$ (Customers)

1.4 GenreID γ_{Name} π (AVG(Millisec) (Tracks $\bowtie$ Genres))

2.2 $R_1 = $ Composer $\gamma_{AVG(ms) \text{ AS } AD}$ (tracks)

$R = \sigma_{AD < 38,500} (R_1)$

2.5 $R_1 = $ BillingCountry $\gamma_{SUM(total)}$ σ (invoices)

$\sigma_{\text{Invoice Date Like } \%2010\%}$

$R = \sigma_{COUNT(*) > 5} (R_1)$