i. $\Pi_{eid}(\sigma_{aname='Boeing'}(Aircraft) \bowtie Certified)$

ii. $\Pi_{ename}(\Pi_{eid}(\Pi_{aid}(\sigma_{aname='Boeing'}(Aircraft)) \bowtie Certified) \bowtie Employees)$

iii. $\rho_A((\sigma_{from='Bonn'} Flights) \wedge (\sigma_{to='Madras'} Flights))$

$\rho_B(\Pi_{distance}(A) \times Aircraft)$

$\Pi_{aid}(\sigma_{distance \leq cruisingrange}(B))$

iv. $\rho_A((\Pi_{cruisingrange}((\Pi_{eid,aid}(\sigma_{salary>100000}(certified \bowtie Employees))) \bowtie Aircraft) \times Flights)$

$\Pi_{flno}(\sigma_{cruisingrange \geq distance}(A))$

v. $\rho_A(\Pi_{ename}((\Pi_{eid}(\Pi_{aid}(\sigma_{cruisingrange>3000}(Aircraft)) \bowtie certified) \bowtie Employees))$

$\rho_A(\Pi_{ename}((\Pi_{eid}(\Pi_{aid}(\sigma_{aname='Boeign'}(Aircraft)) \bowtie certified) \bowtie Employees))$

$\rho_C(\Pi_{ename}(\Pi_{eid}(certified) \bowtie Employees))$

$(\rho_C - \rho_B) \wedge \rho_A$

vi. $\rho_A(Employees)$

$\rho_B(Employees)$

$\rho_C(\Pi_{A.eid,A.ename,A.salary}(\sigma_{A.salary<B.salary}(A \times B)))$

$\Pi_{eid}(A - C)$

vii.