Part 1

* 1. Result –> S (NAME) (SUBSCRIBERS) \* L (AREACODE, OFFICECODE, STATIONCODE) (LINES)

σ (Result)

* 1. Result –> Sub (NAME, EMAIL) (SUBSCRIBERS) \* Ser (LINEID) (SERVICE\_SUBSTRIBERS)

Result2 –> Result \* Ri (Ringtones)

σ (Result2)

* 1. Result –> T (TRUNKS) \* TC (TRUNK\_CHANNEL)

σ ( STATE = ‘idle’) (Result)

* 1. Result –> C (CALLID, STATE) (CALLS) \* S (NAME) (SUBSCRIBERS)

σ ( STATE = ‘talking’) (Result)

* 1. Result –> Se (SERVICES) \* Ser (SERVICE\_ SUBSCRIBERS)

Result2 –> Result \* Cf (CALL\_FORWARD\_NUMBERS)

σ ( NOT ( SERVICECODE = ‘CFD’ OR SERVICECODE = ‘CFB’ OR SERVICECODE = ‘CFN’) ) (Result2)

* 1. Result –> C (CALLS) \* Cf (CALL\_FORWARD\_NUMBERS)

σ ( AREA = AREACODE AND OFC = OFFICECODE AND STN = STATIONCODE) (Result)

* 1. ?
  2. σ (AREA = ‘905’ AND OFFICE = ‘238-1243’) (TRUNK\_ROUTES)
  3. Result –> Se (SERVOCES\_ SUBSCRIBERS) \* L (LINES)
  4. σ (SERVICE\_ SUBSCRIBERS)