

②  $\sigma$  (driver)  
ratings = 5  $\wedge$  rides-done  $\geq 10$

③  $\sigma$  (taxi)  
status = 0  $\wedge$  max-pass. = 5

④ driver  $\leftarrow \Pi$  (id, fn, ln, age  $\geq 25$ , gender --, license) ( $\sigma$  age  $\leq 27$  (driver))

⑤ rides-data  $\leftarrow \Pi$  (travel-id, c-id, d-id, car-no --, status = "cancel") ( $\sigma$  travel-id = 120 (rides-data))

⑫ taxi  $\leftarrow \Pi$  (car-no, model, max-pass., reg-wdch, service-date = "2023-02-17", status) ( $\sigma$  car-no = "H2-94" (taxi))

⑪  $\Pi$  ( $\sigma$  service-date = min(service-date) (taxi))  
(car-no, service-date)

$$\textcircled{16} \quad \rho_{\text{rides-cancelled}} \left( \sigma_{\text{count}} \left( \sigma_{\text{status} = \text{"cancel"}} \left( \rho_{\text{rides-data}} \right) \right) \right)$$

$$\textcircled{1} \quad \rho_{\text{rides-by-Henry}} \left( \sigma_{\text{count}} (E) \right) \left( \rho_{\text{rides-data}} \right)$$

$$E = \sigma_{\text{aid} = z} \left( \rho_{\text{rides-data} \times \text{customer}} \right)$$

$$z = \pi_{\text{id}} \left( \sigma_{\text{fn} = \text{"henry"} \wedge \text{ln} = \text{"cello"}} \left( \rho_{\text{customer}} \right) \right)$$

8

67

sum(changes)

(payments  $\bowtie$  sides-data)

$\leq \text{date-time} \wedge \text{date-time} \leq "2022-12-31."$   
 $01-01 \ 00:00:00'$   $23:59:59''$