

## task7

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a

$$2 \times 6,000,000 / 1,000,000 / 0.5 = 24s$$

b

$$2 \times 6,000,000 \times 0.0001 = 1200s$$

c

lineitem表の最短アクセス時間は、 $24s$ 。orders表の最短アクセス時間は、

$$\text{表スキャン} : 2 \times 1,500,000 / 1,000,000 / 0.5 = 6s$$

$$\text{表索引アクセス} : 2 \times 1,500,000 \times 0.0001 = 300s$$

で、 $6s$ 。

$$24 + (2 \times 6,000,000 \times 1) \times 6 = 72,000,024s$$

d

$$6 + (2 \times 1,500,000 \times 1) \times 24 = 72,000,006s$$

e

$$6 + (2 \times 1,500,000 \times 0.25) \times 24 = 18,000,006s$$

f

```
select count(custkey) from customer where orders.totalprice>=100 and  
customer.address='兵庫' group by customer.custkey;
```