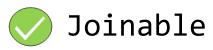
Data Lake



Corp.	City	Country	Market Cap
Name1'	SF	USA	
Name3'	NY	USA	
Name4	Boston	USA	

Corp	Business	Country	Market Cap
Alibaba		China	
Tencent		China	
Baidu		China	

(a) T₁: Query table for join

Transact

ion Vol.

Turnover

Rate

Price

Date

05.24

05.24

05.24

Trading

Vol.

Corp.

Name1

Name2

Name3

 T_2



Unionable

X	Not	Unionable
	1100	OHITOHABIC

Name	Director	Venue	Country	Date	Rating
Movie1	Name1	Chicago	USA	2002.11.20	8.1
Movie2	Name2	London	English	2003-01-10	5.0
Movie3	Name3	LA	USA	2004.11.26	7.3

Movie	Address	Price	Score
Movie4	Add1	\$10	9.1
Movie5	Add2	\$12	7.6
Movie5	Add3	\$15	7.3

Name	City	Date	Rating
Resta1	NY	2022.10.20	4.3
Resta2	Chicago	2023.12.22	5.0
Resta3	LA	2021.11.26	4.8

(b) T₄: Query table for union

 T_5

 T_{6}