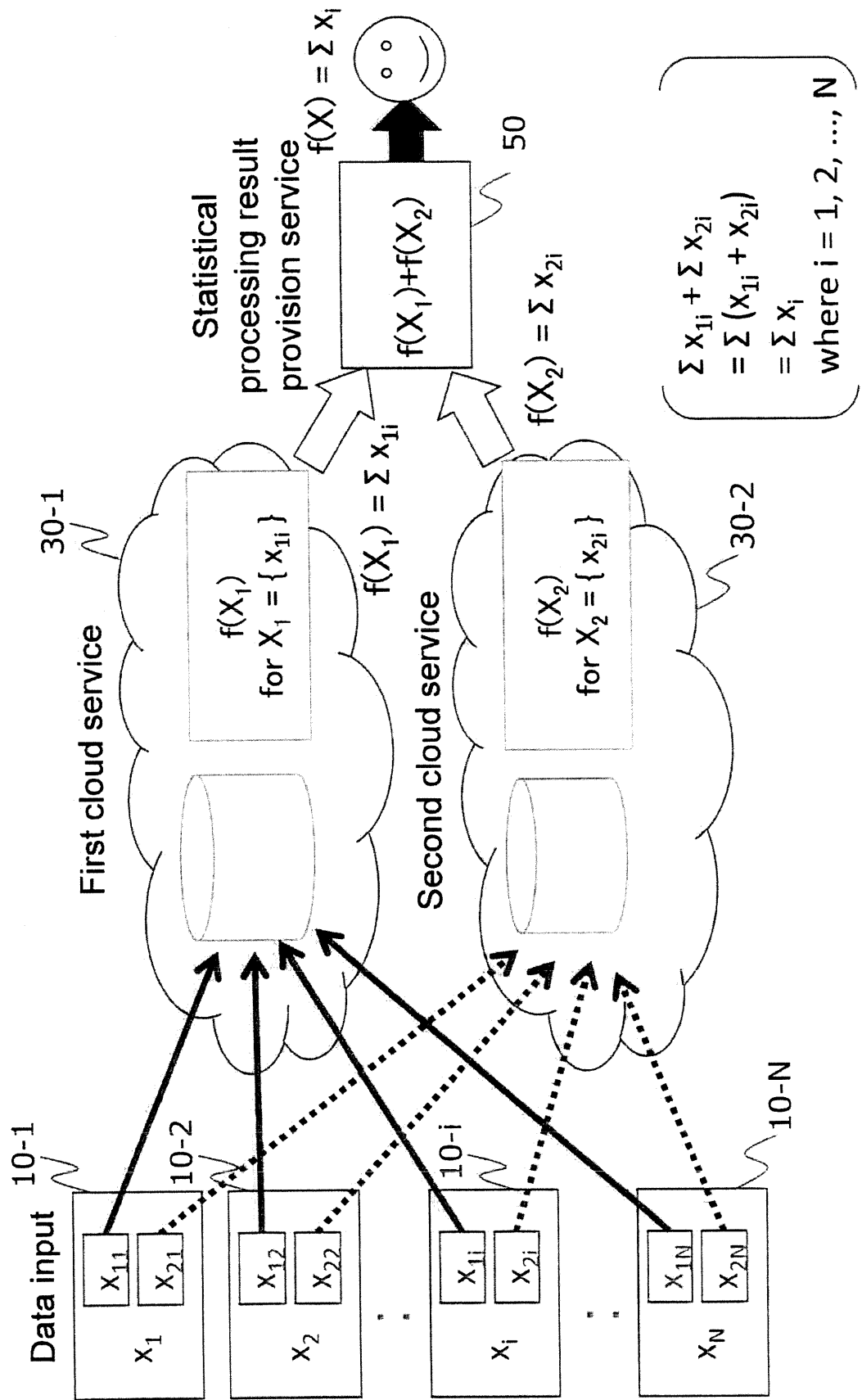
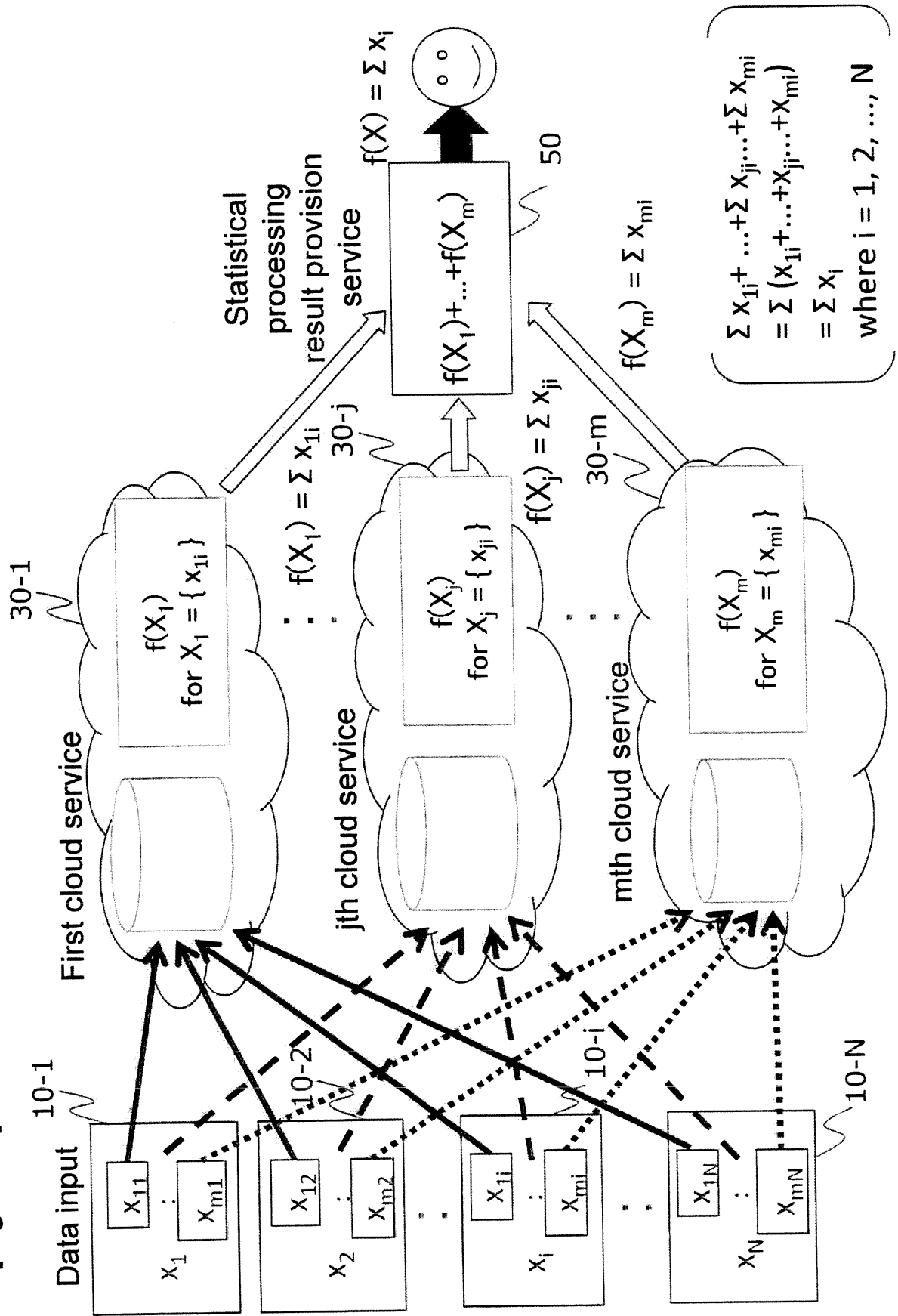


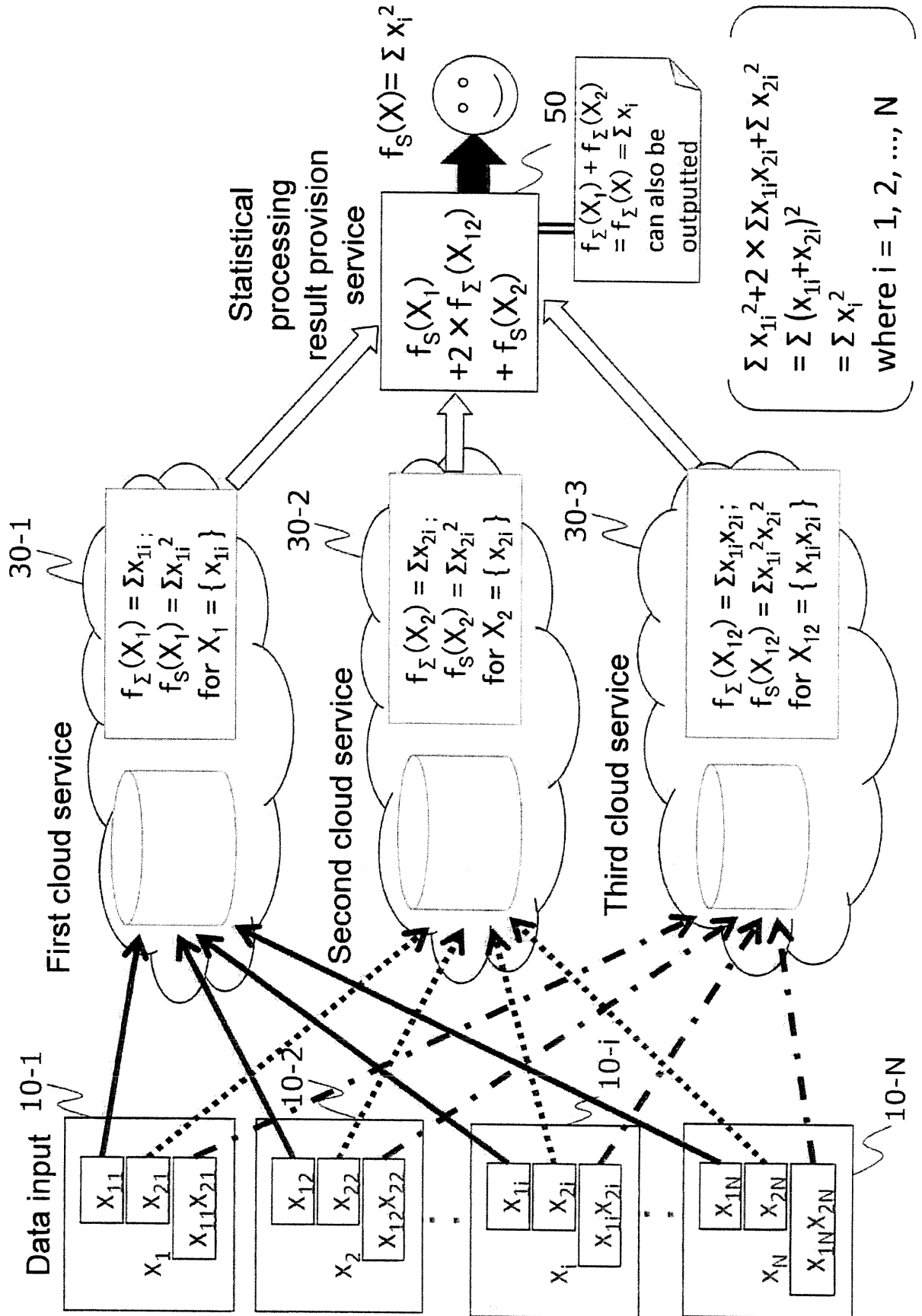
[Figure 1]

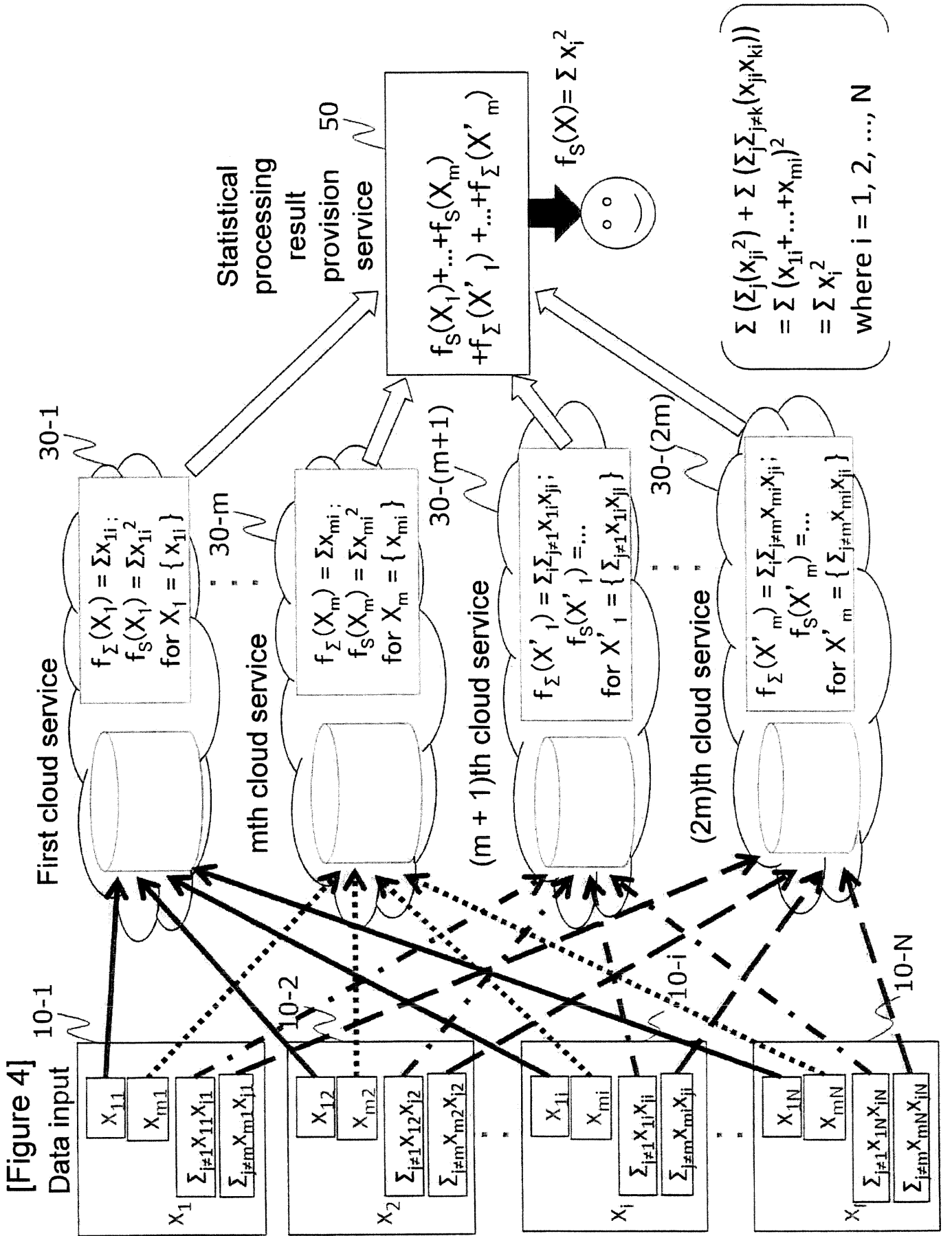


[Figure 2]

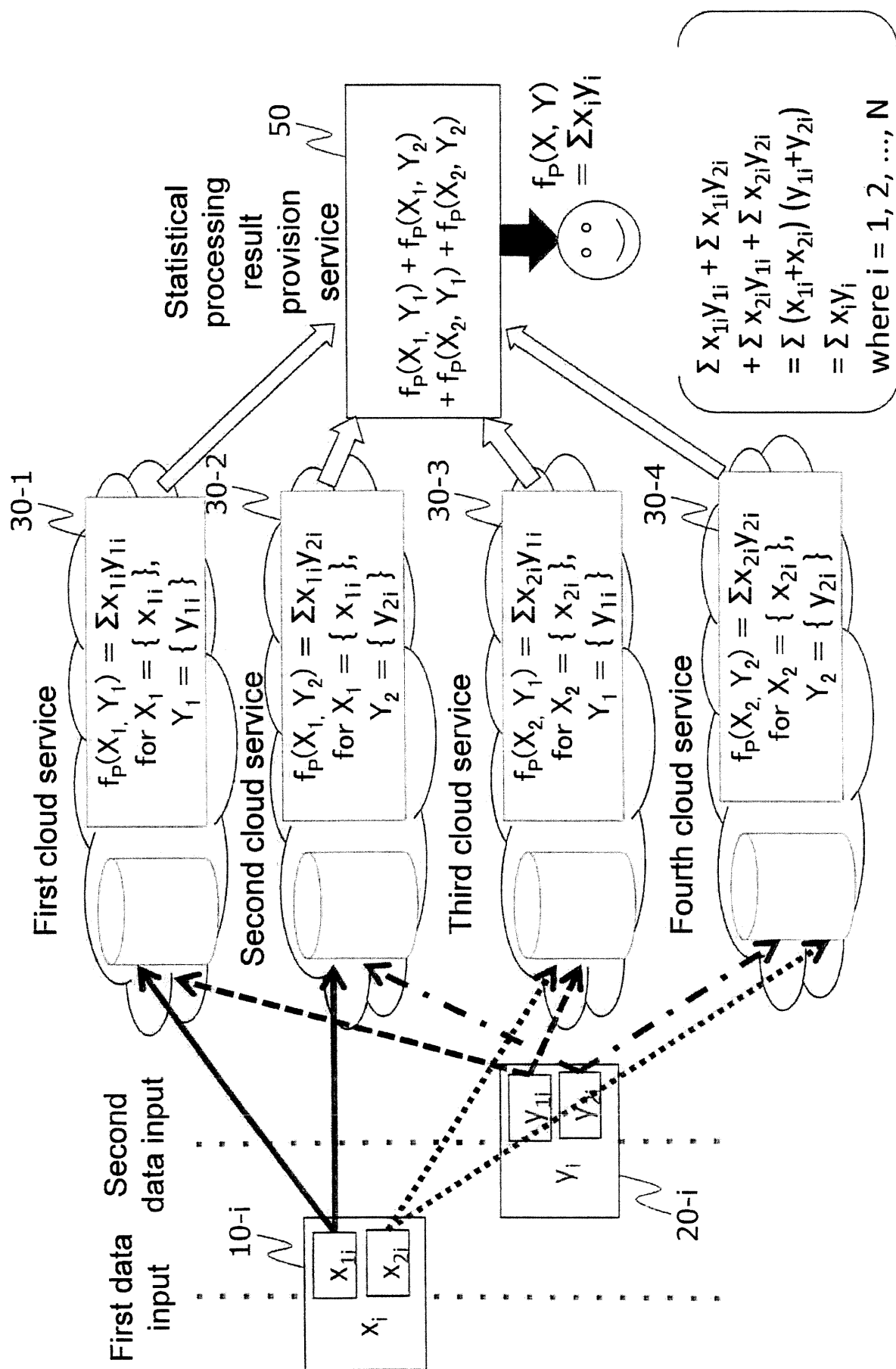


[Figure 3]

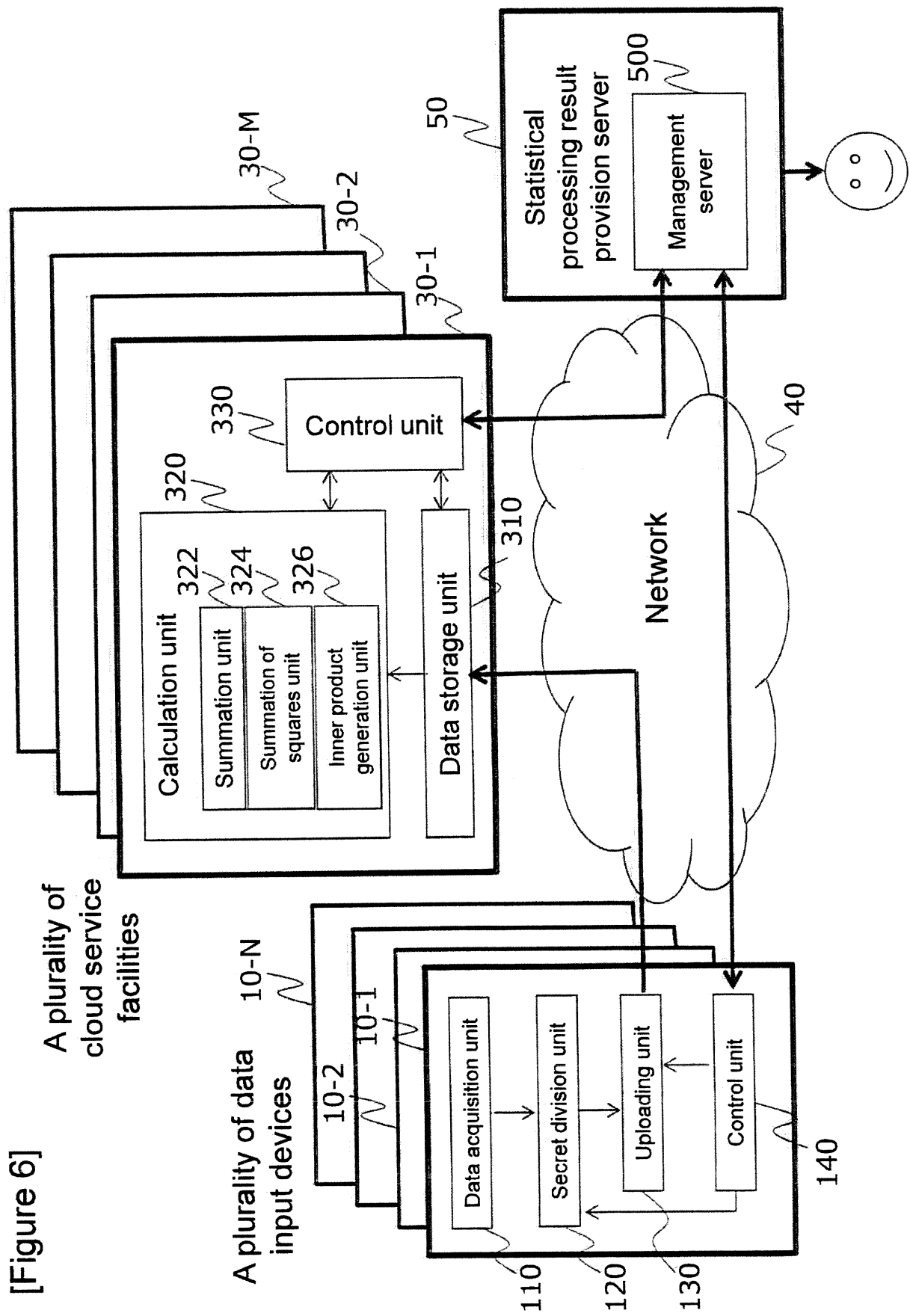




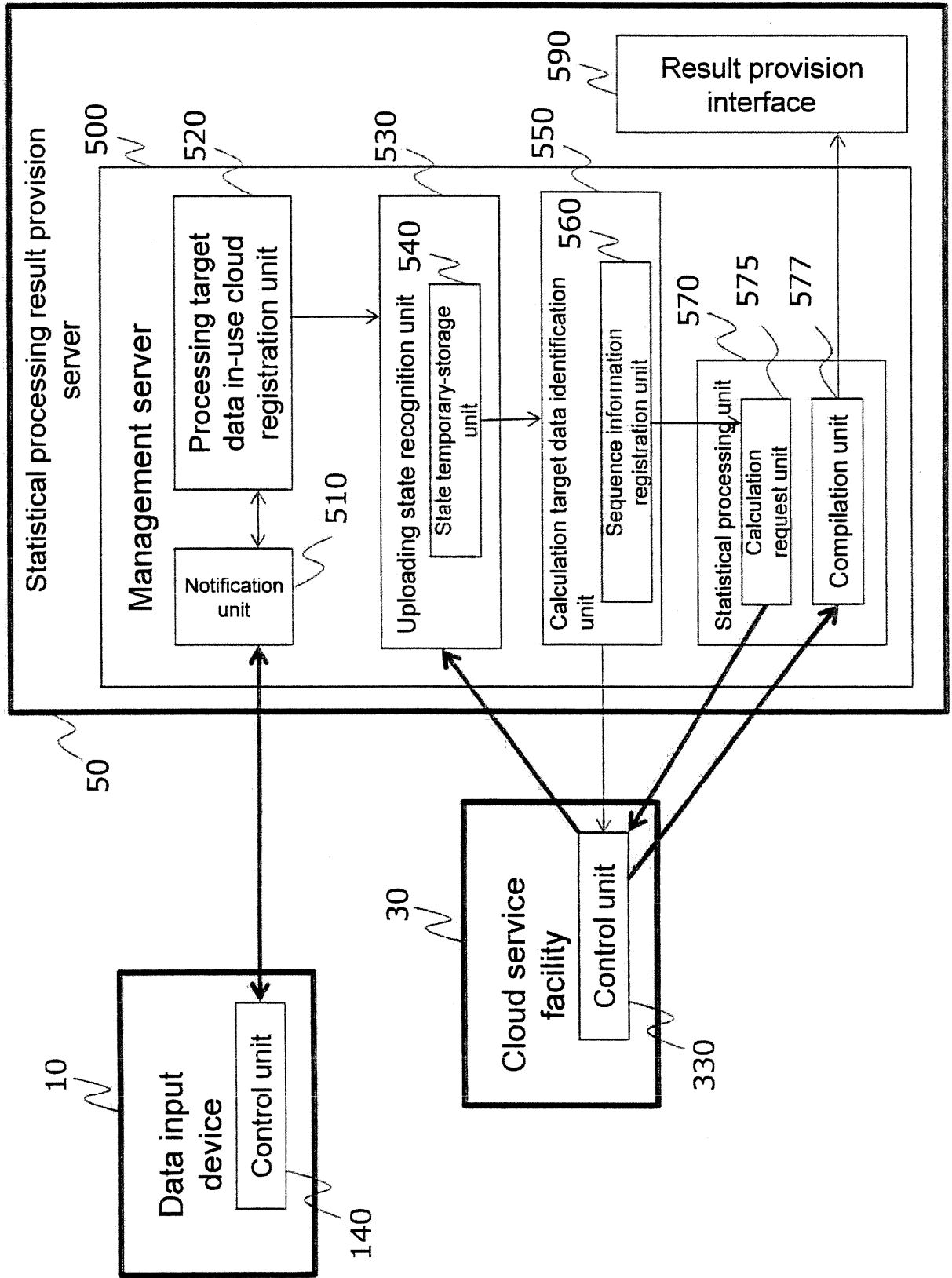
[Figure 5]

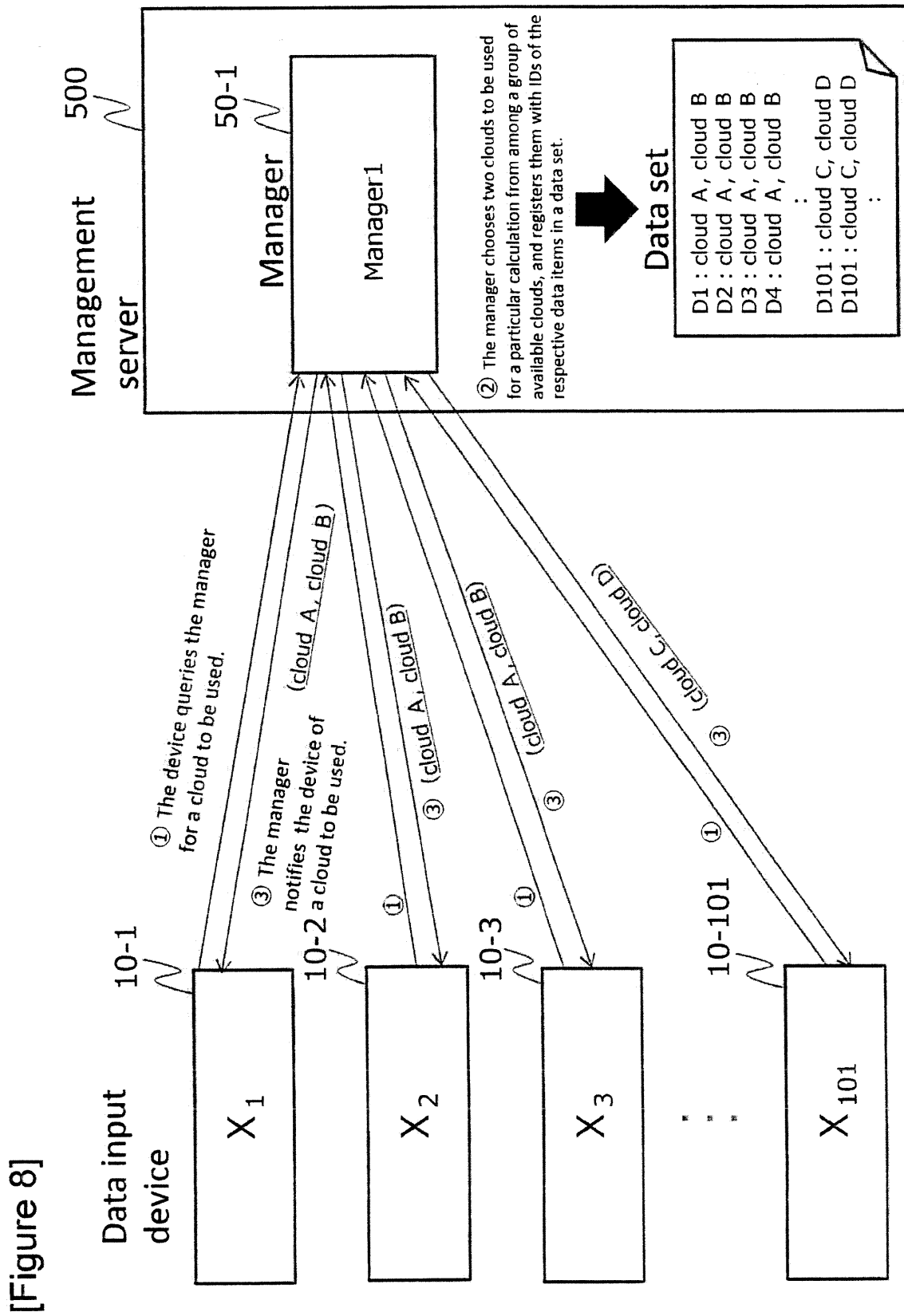


[Figure 6]

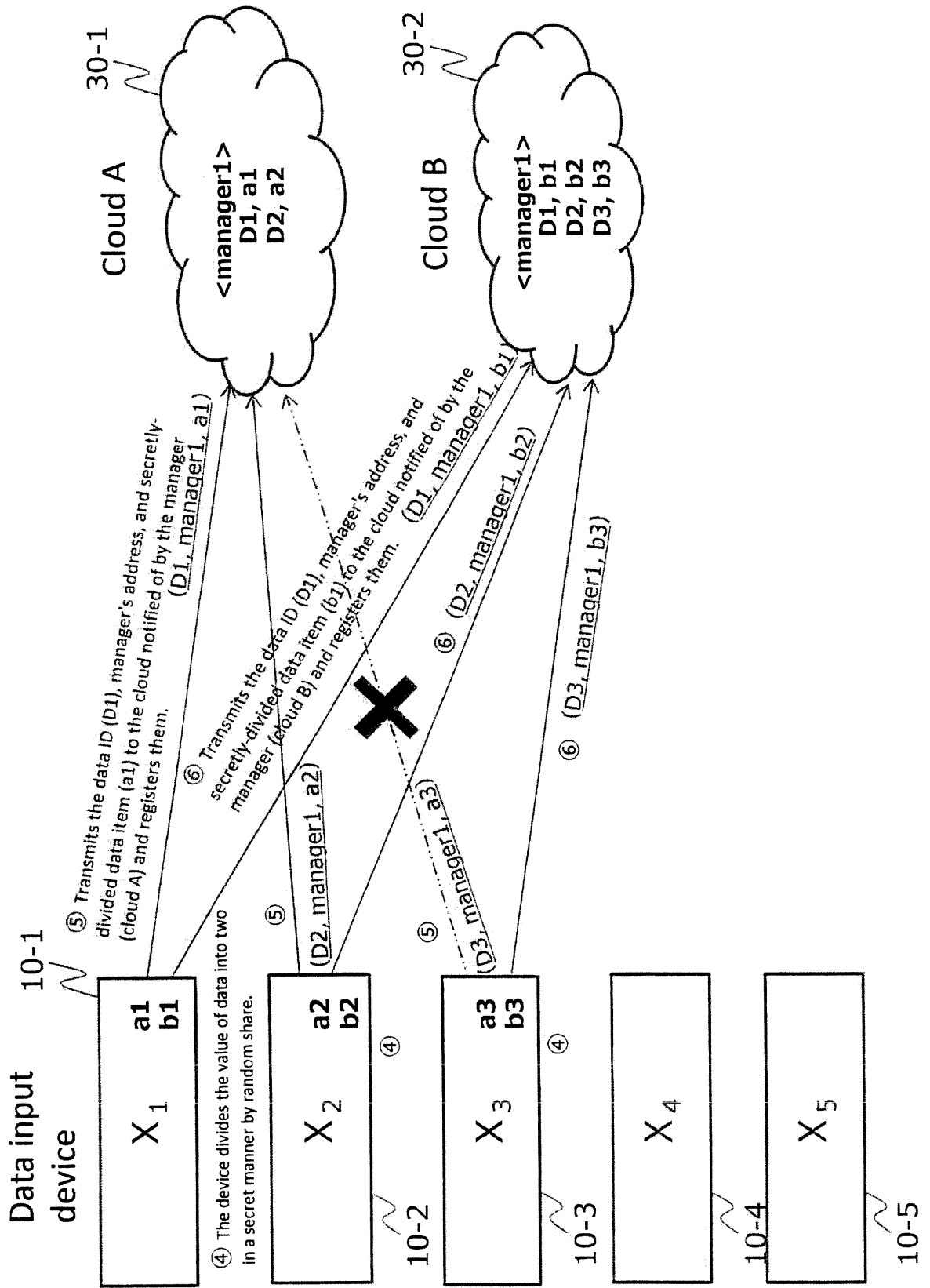


[Figure 7]

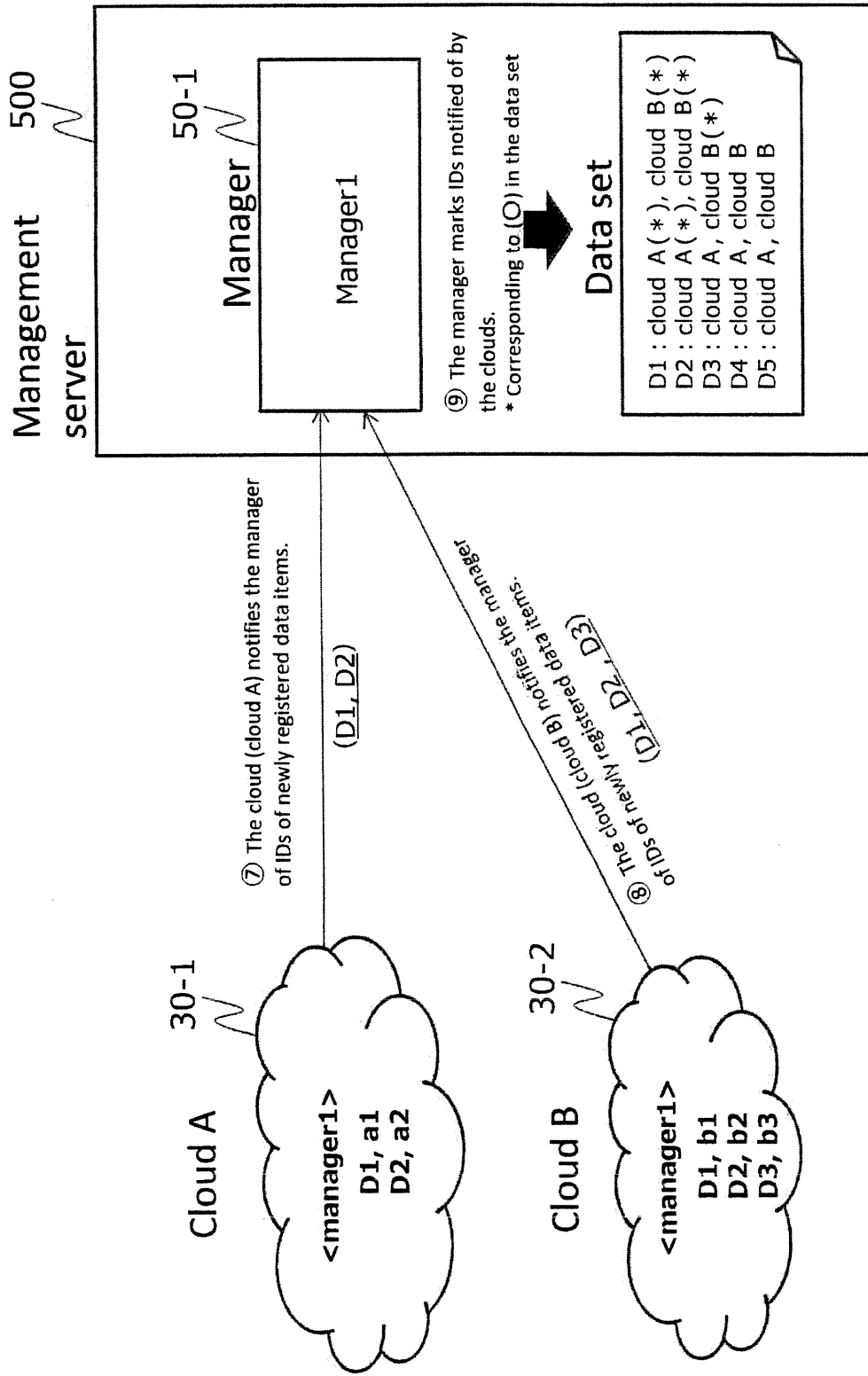




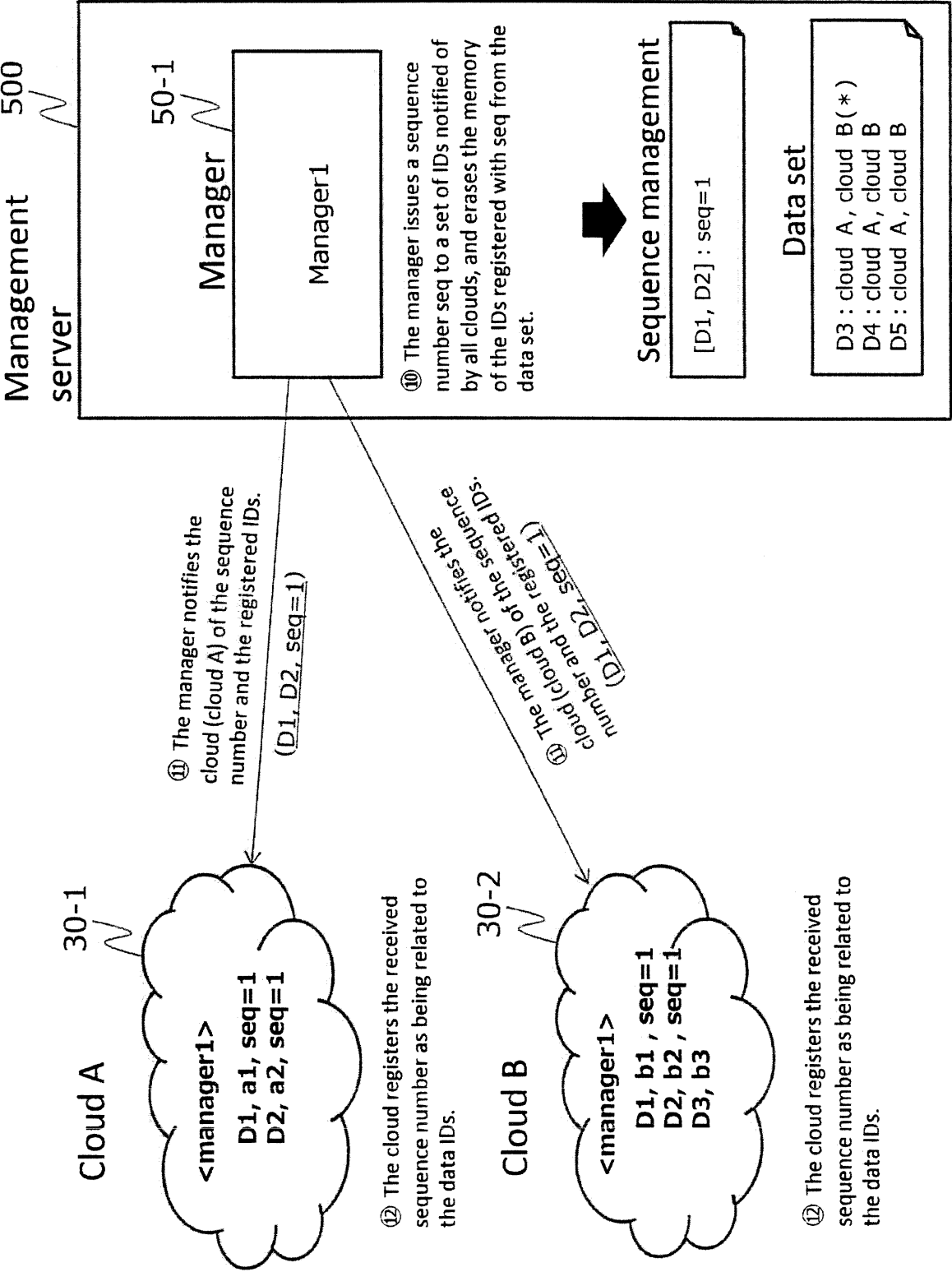
[Figure 9]



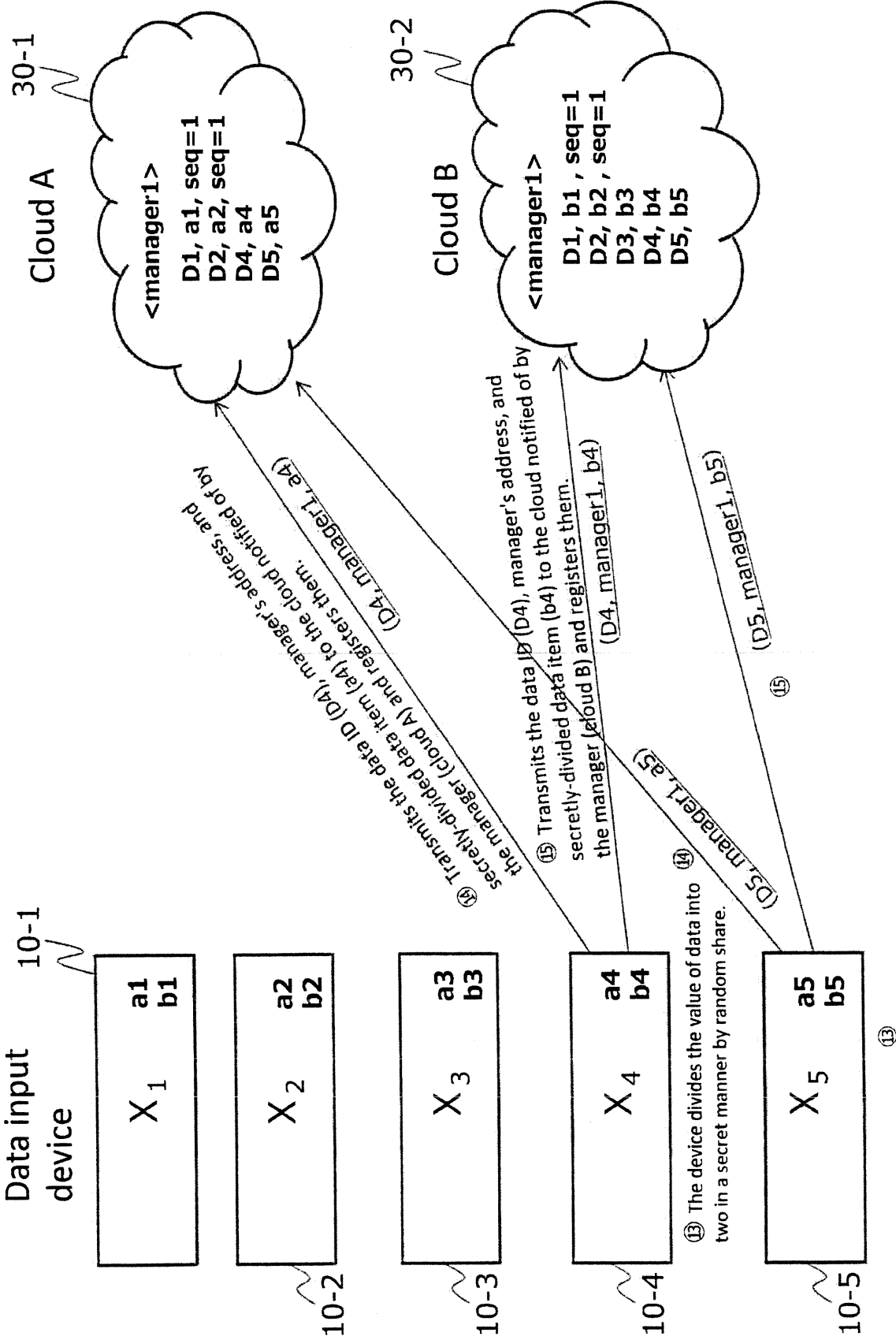
[Figure 10]



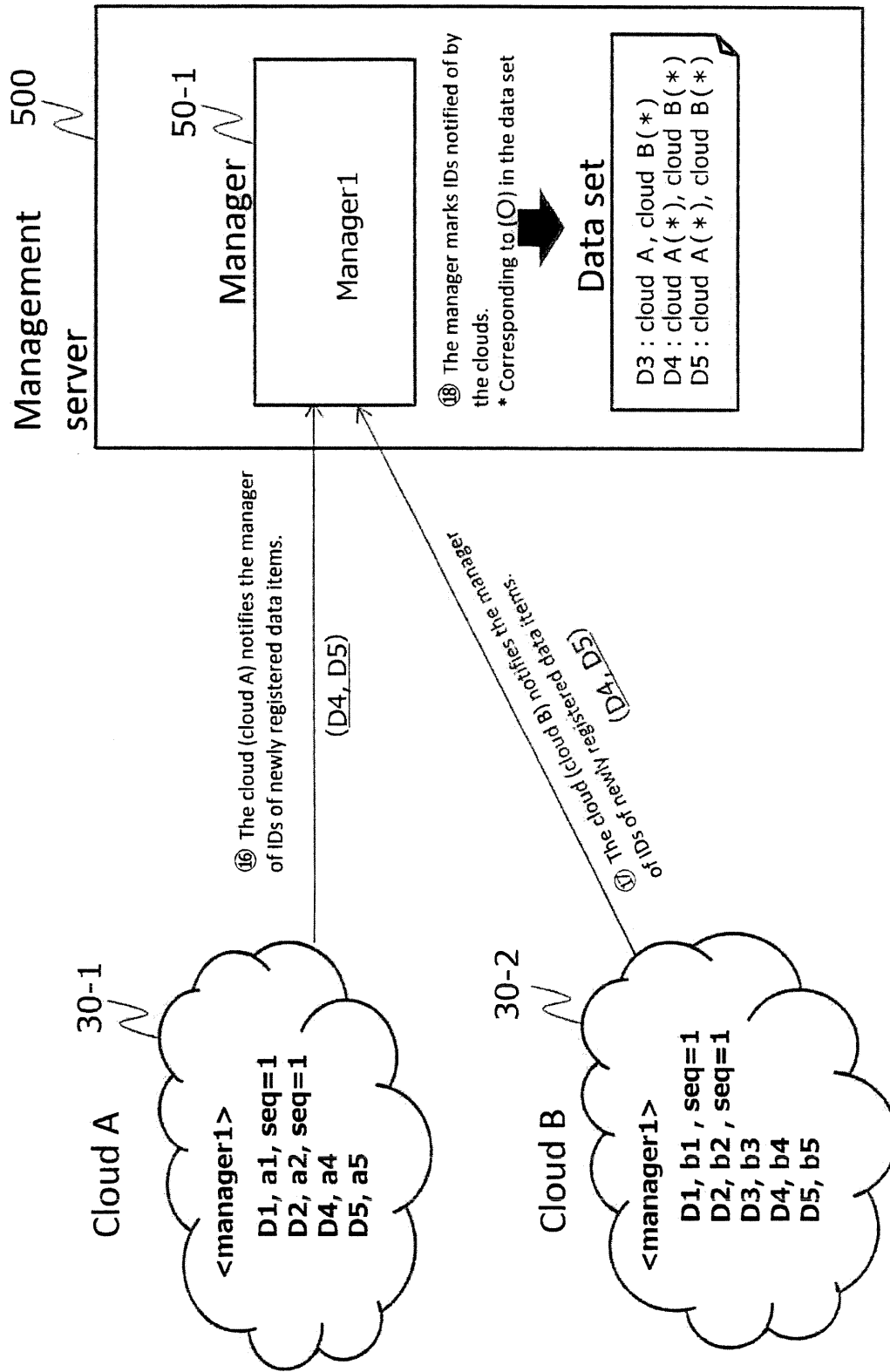
[Figure 11]



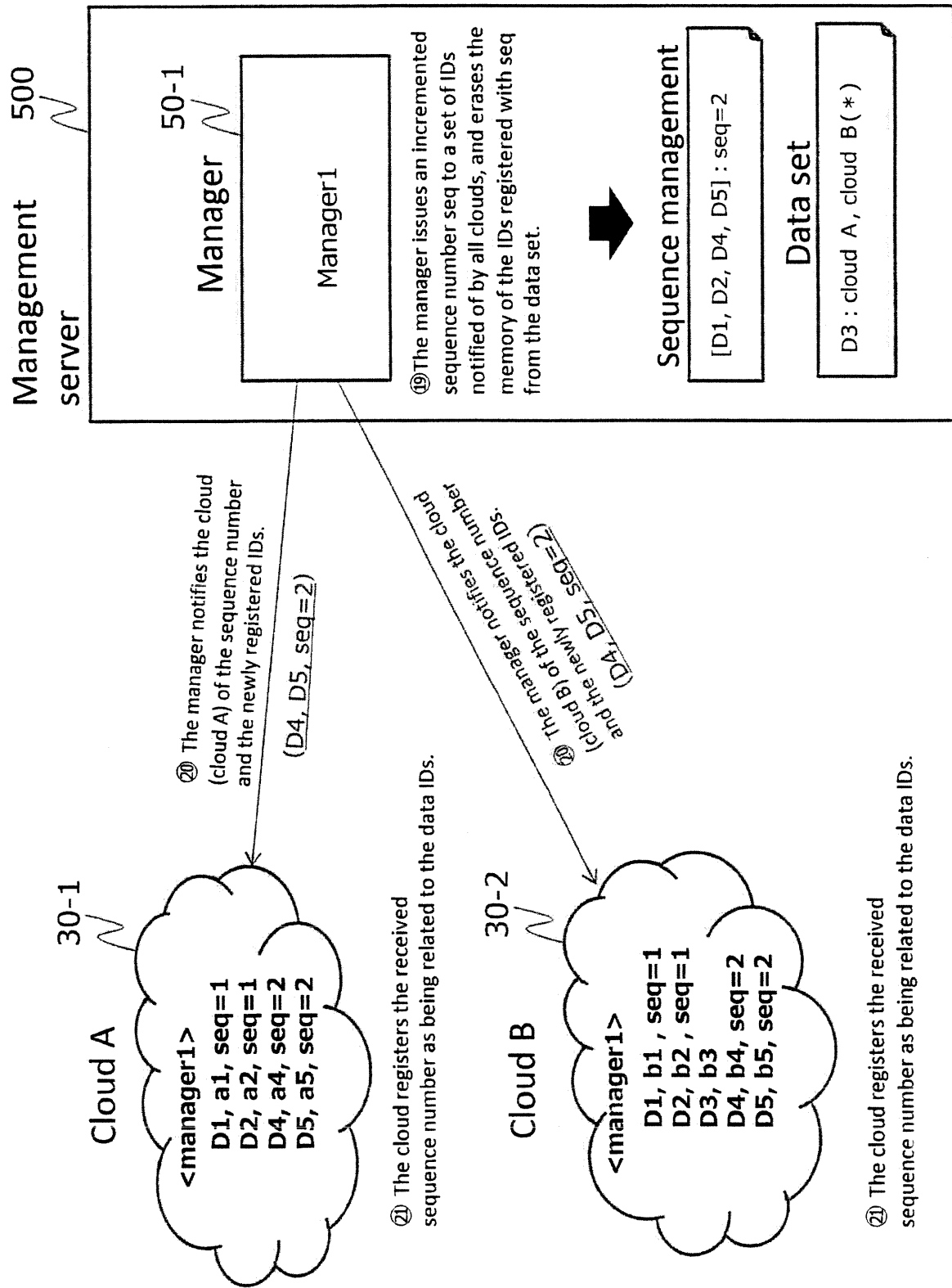
[Figure 12]



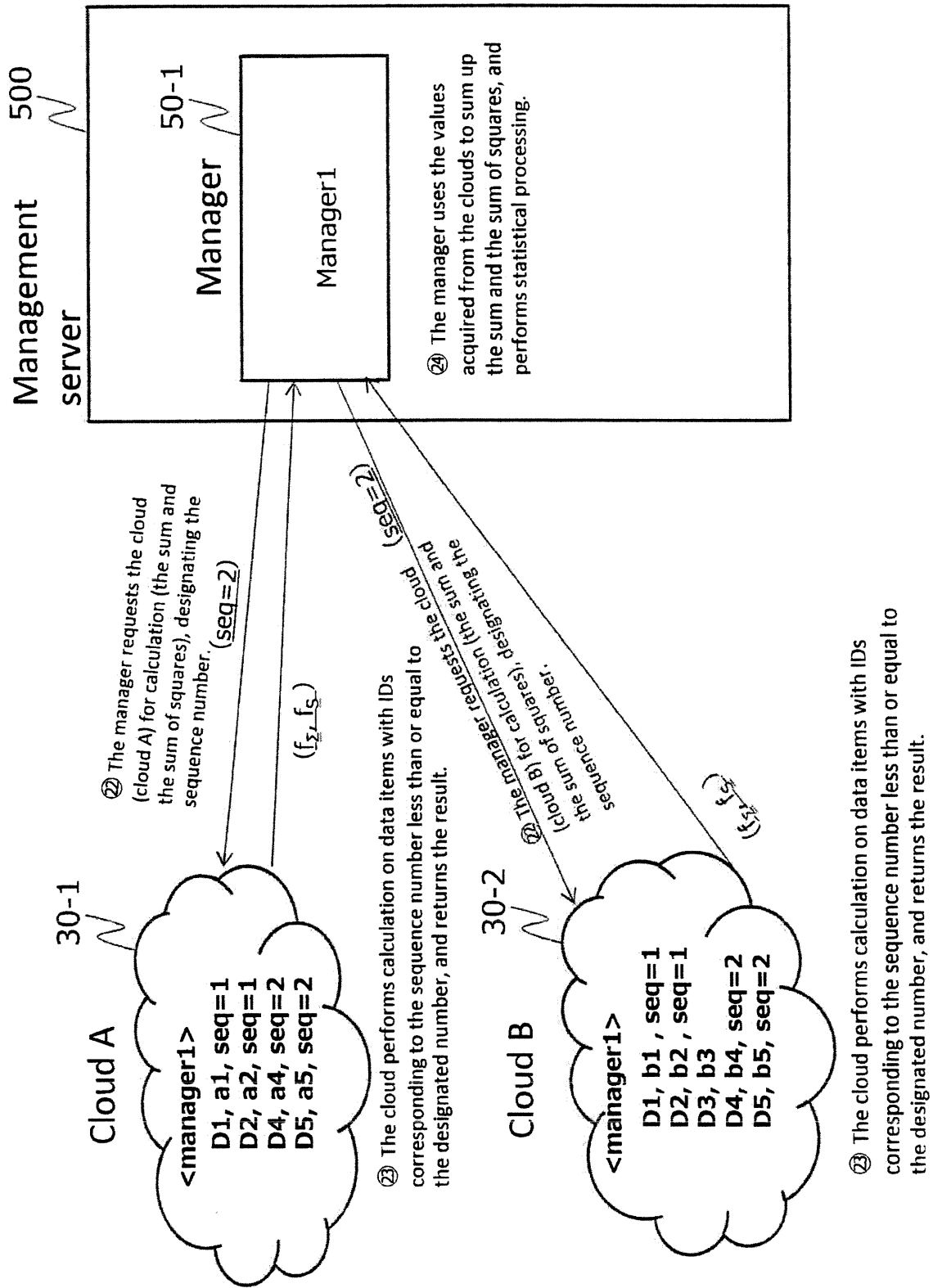
[Figure 13]



[Figure 14]



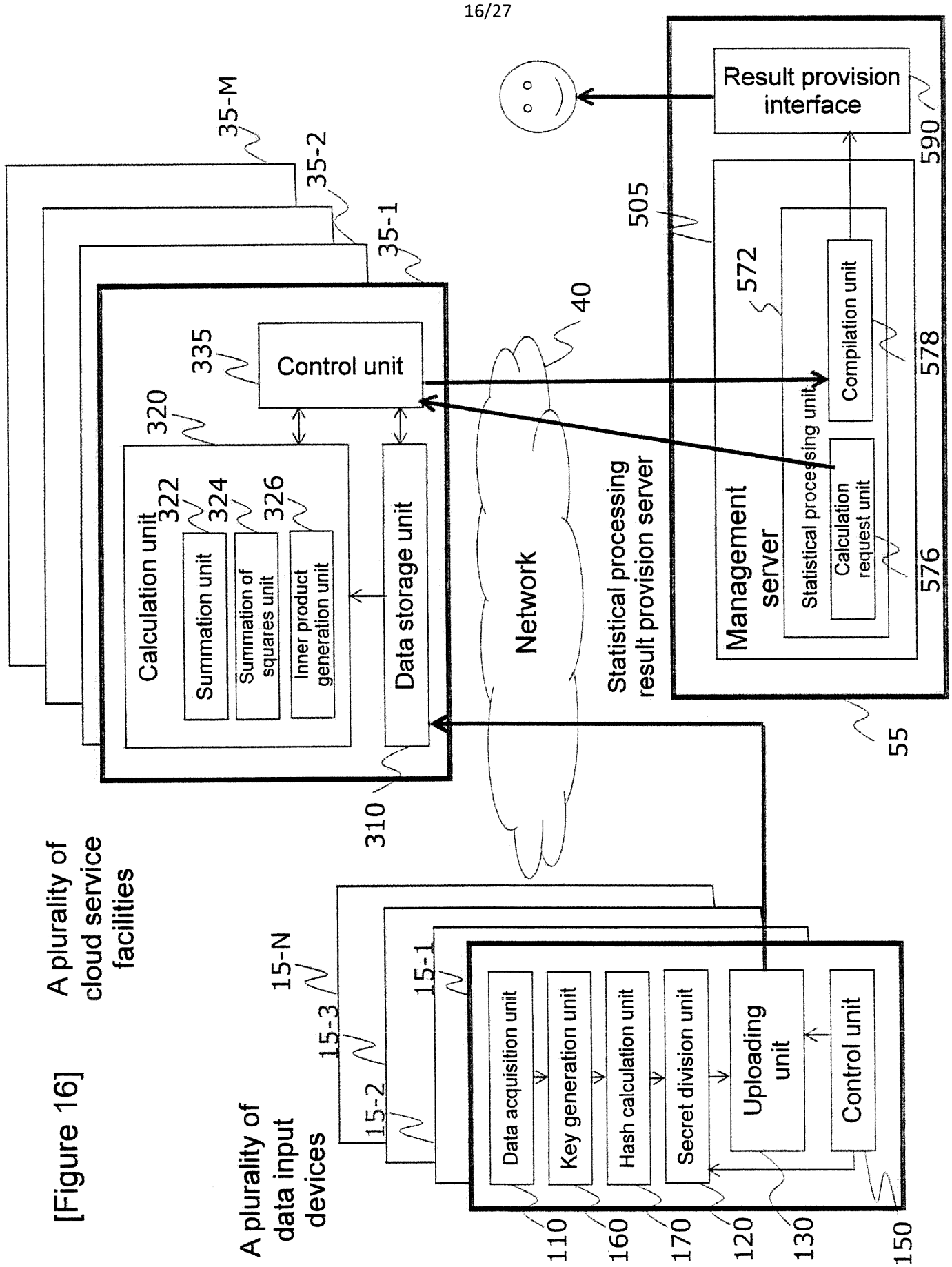
[Figure 15]



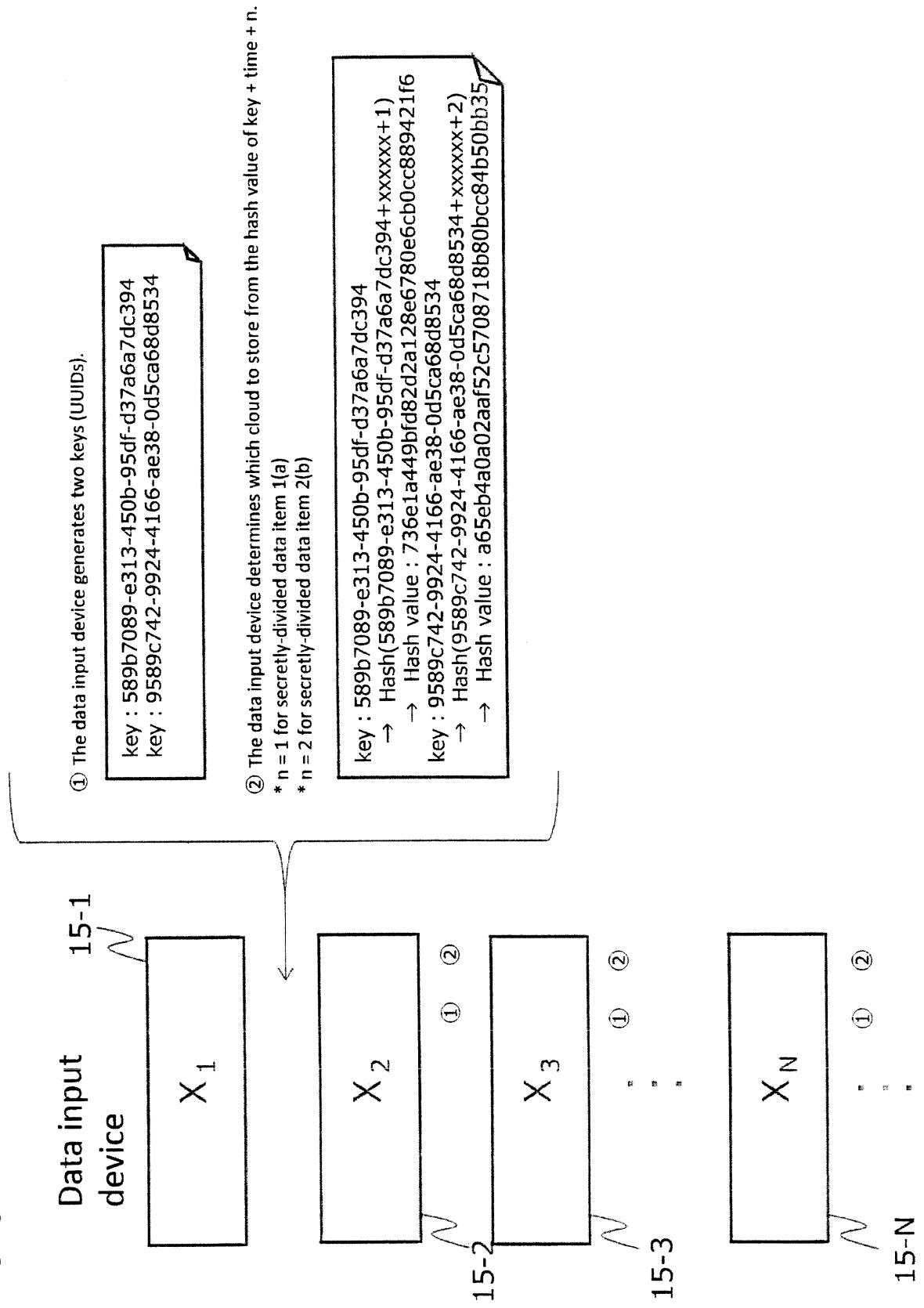
[Figure 16]

A plurality of
cloud service
facilities

A plurality of
data input
devices

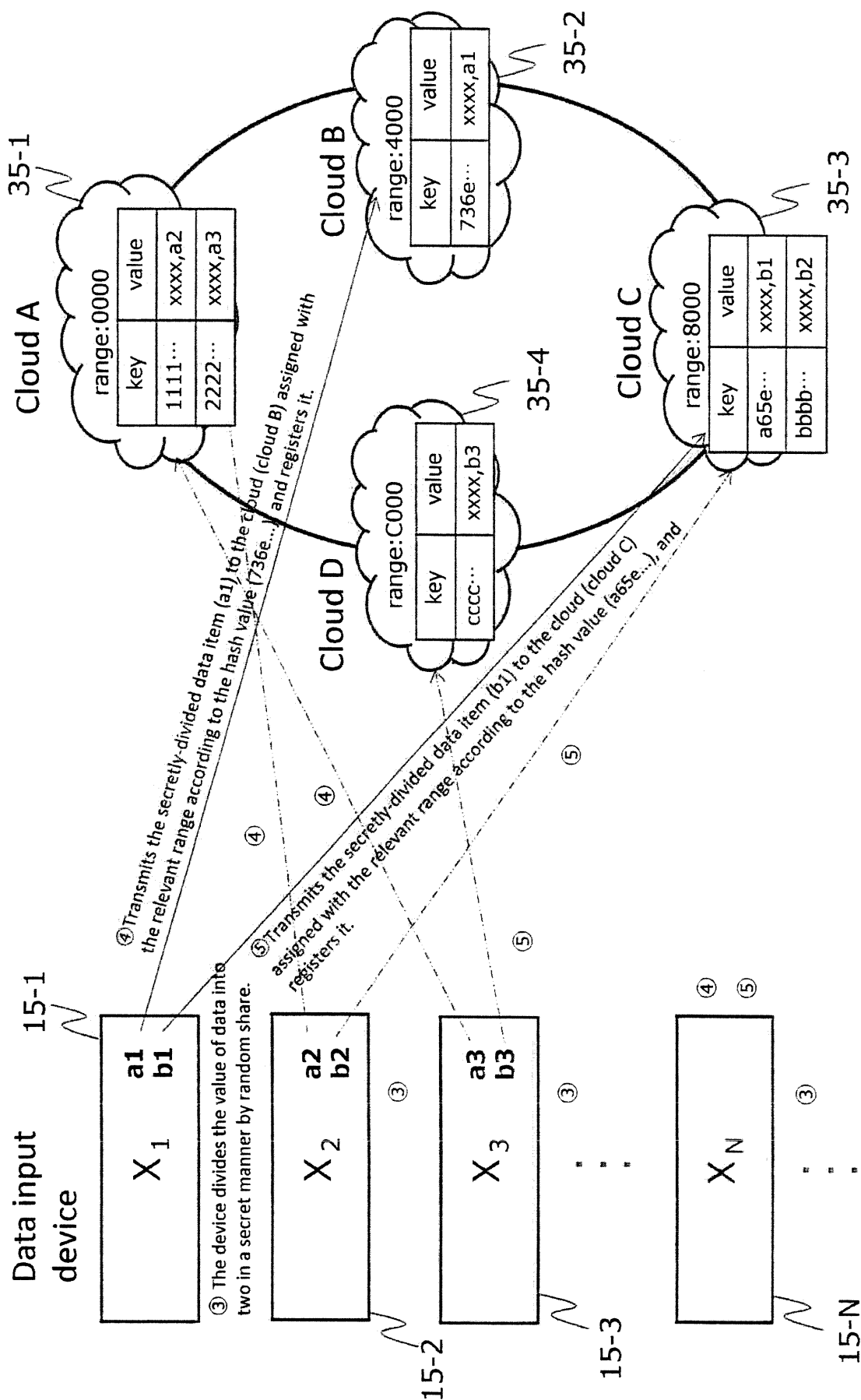


[Figure 17]

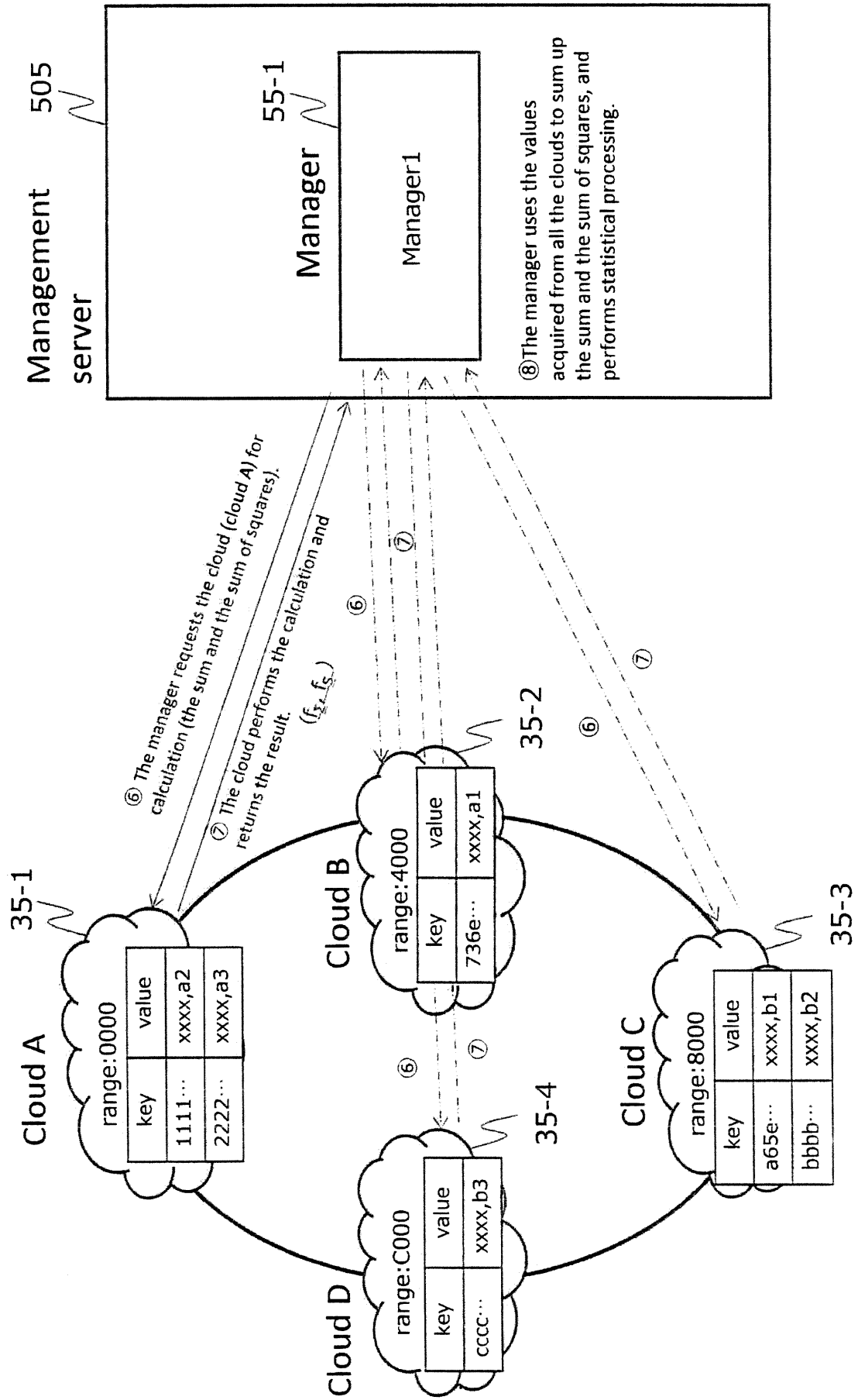


[Figure 18]

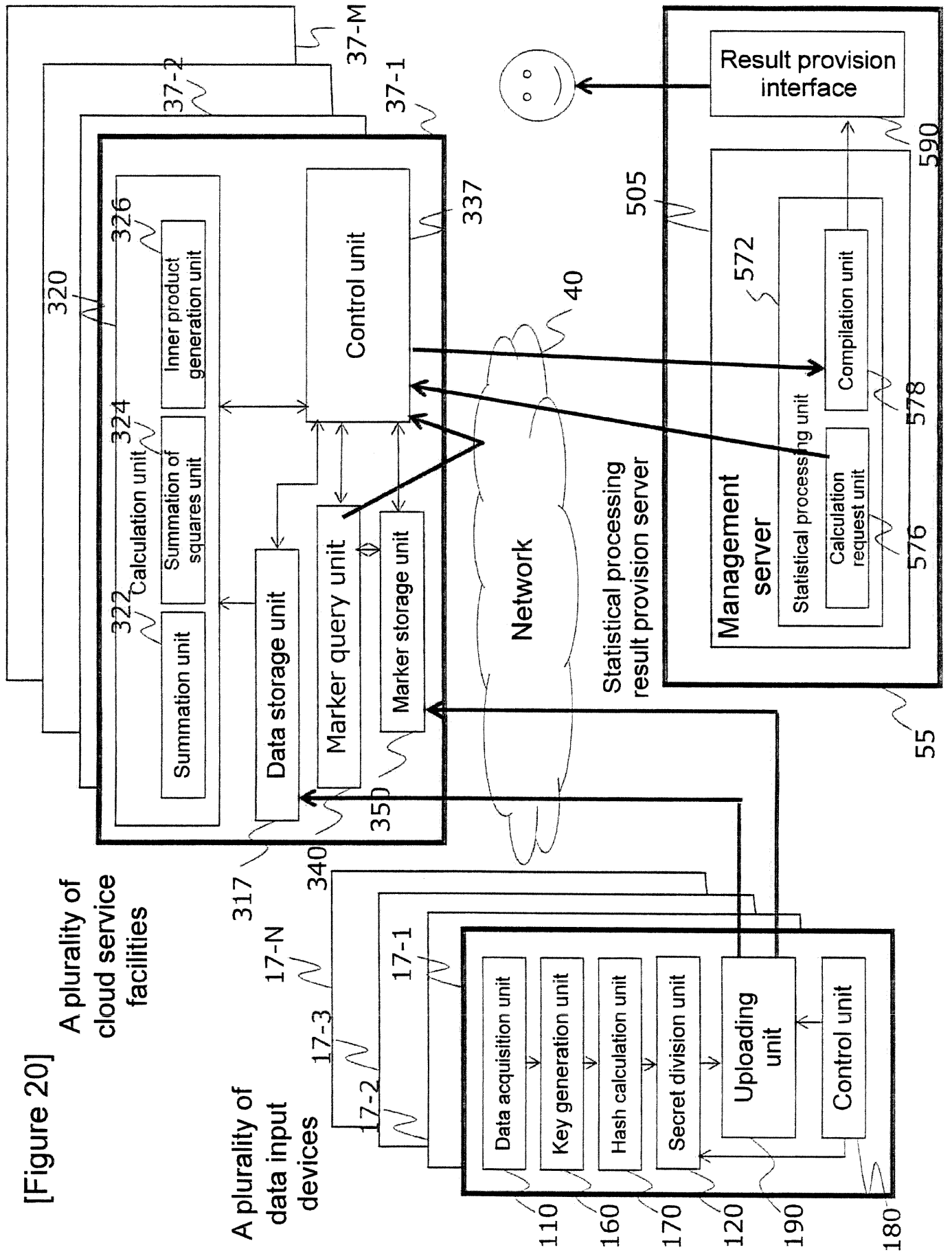
Hash value : 736e1a449bfd82d2a128e6780e6cb0cc889421f6
 Hash value : a65eb4a0a02aaf52c5708718b80bcc84b50bb35



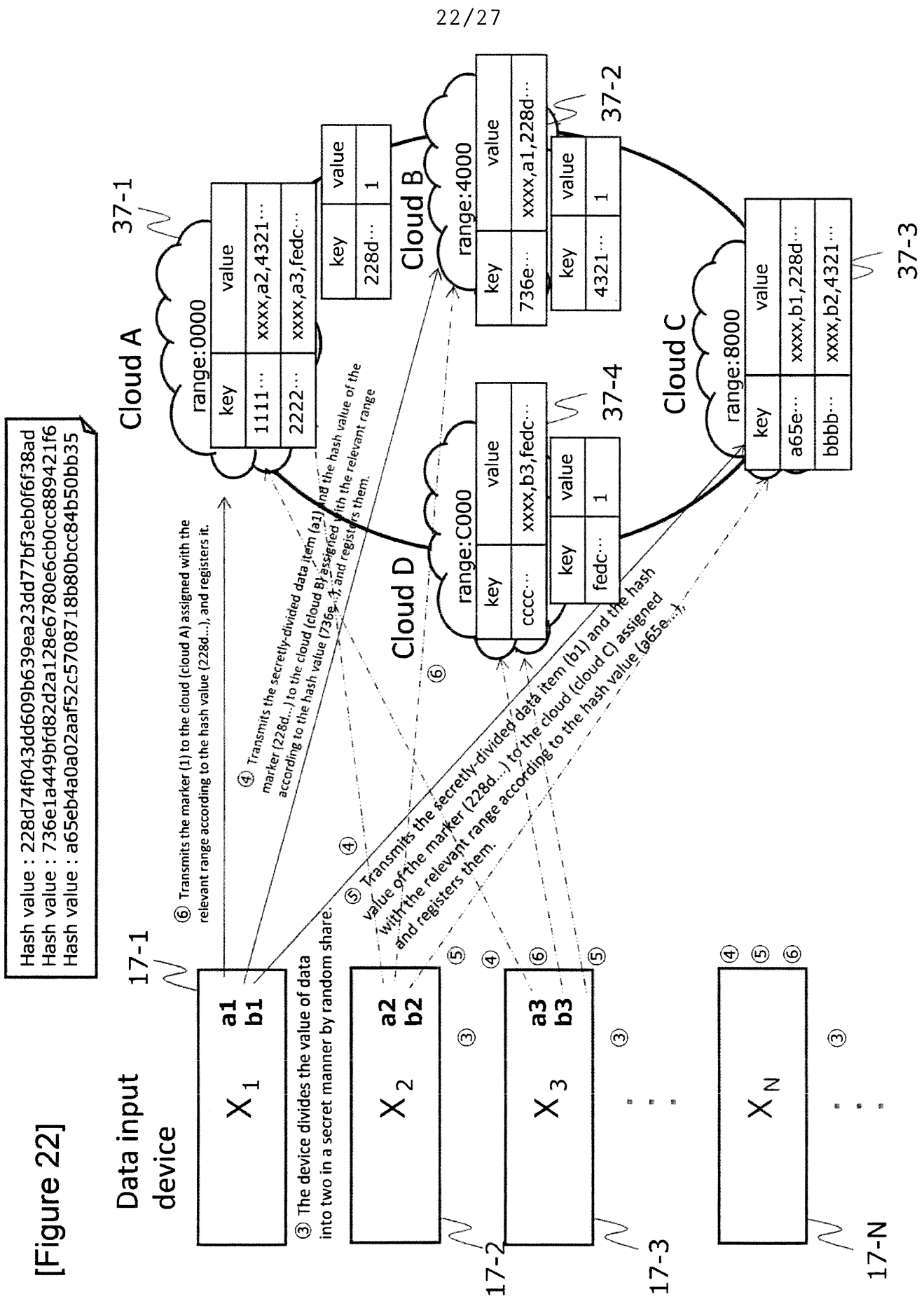
[Figure 19]



[Figure 20]



[Figure 22]



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Management server 505

Manager 55-1

Manager1

⑩ The manager uses the values acquired from all the clouds to sum up the sum and the sum of squares, and performs statistical processing.

Cloud A 37-1

range:0000

key	value
1111...	xxxx,a2,4321...
2222...	xxxx,a3,fedc...

Cloud B 37-2

range:4000

key	value
736e...	xxxx,a1,228d...

Cloud C 37-3

range:8000

key	value
a65e...	xxxx,b1,228d...
bbbb...	xxxx,b2,4321...

Cloud D 37-4

range:C000

key	value
cccc...	xxxx,b3,fedc...

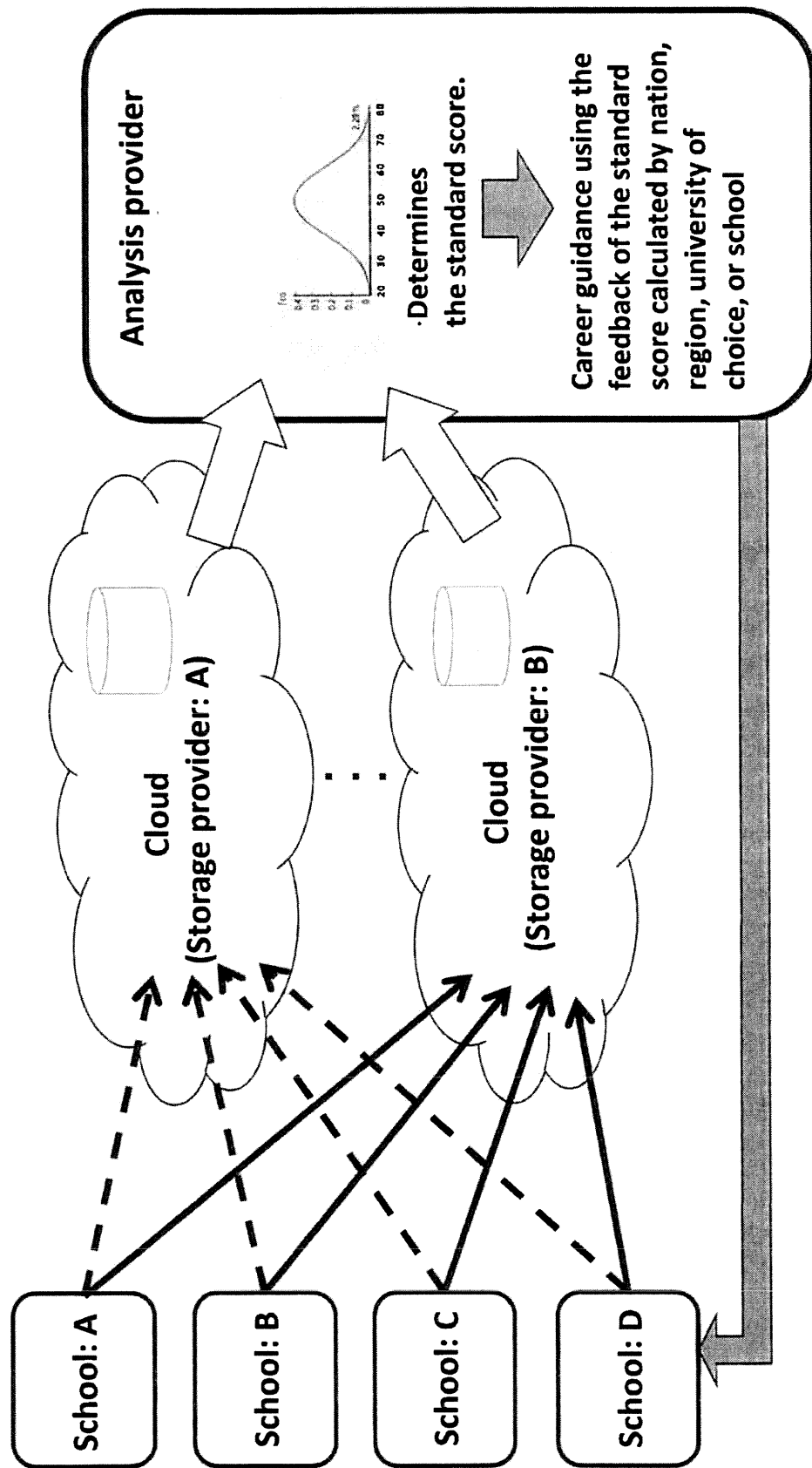
⑦ The manager requests the cloud (cloud A) for calculation (the sum and the sum of squares).

⑧ Confirms that the marker with the hash value (4321...) referred to by the data item (a2) is 1.

⑨ The cloud calculates only with data items whose marker is 1, and returns the result. ($f_{1s}, f_{2s}, \dots, f_{ns}$)

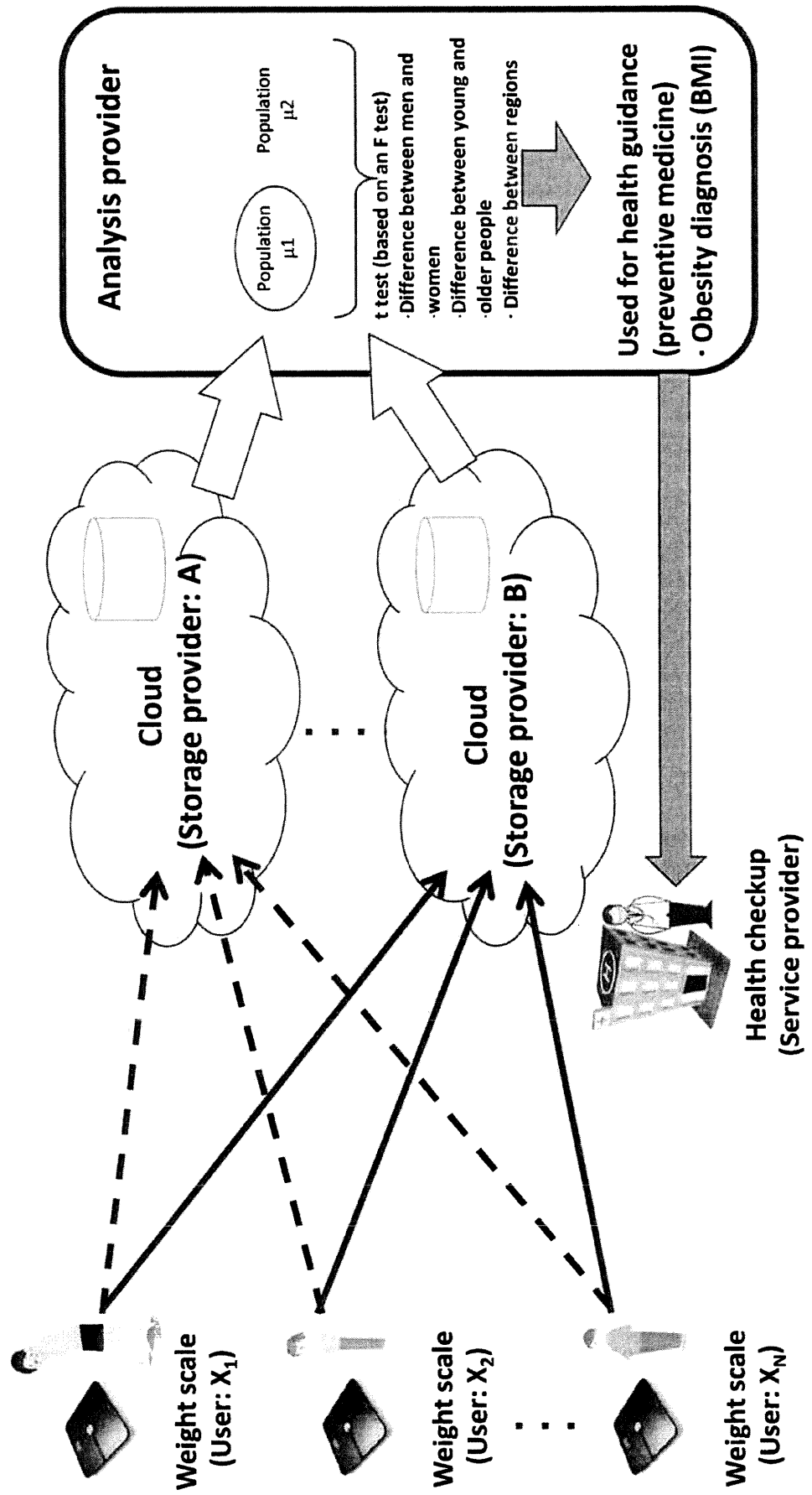
[Figure 24]

The standard score is calculated on an individual's mock university entrance examination without the individual's result being disclosed, and is used for career guidance.



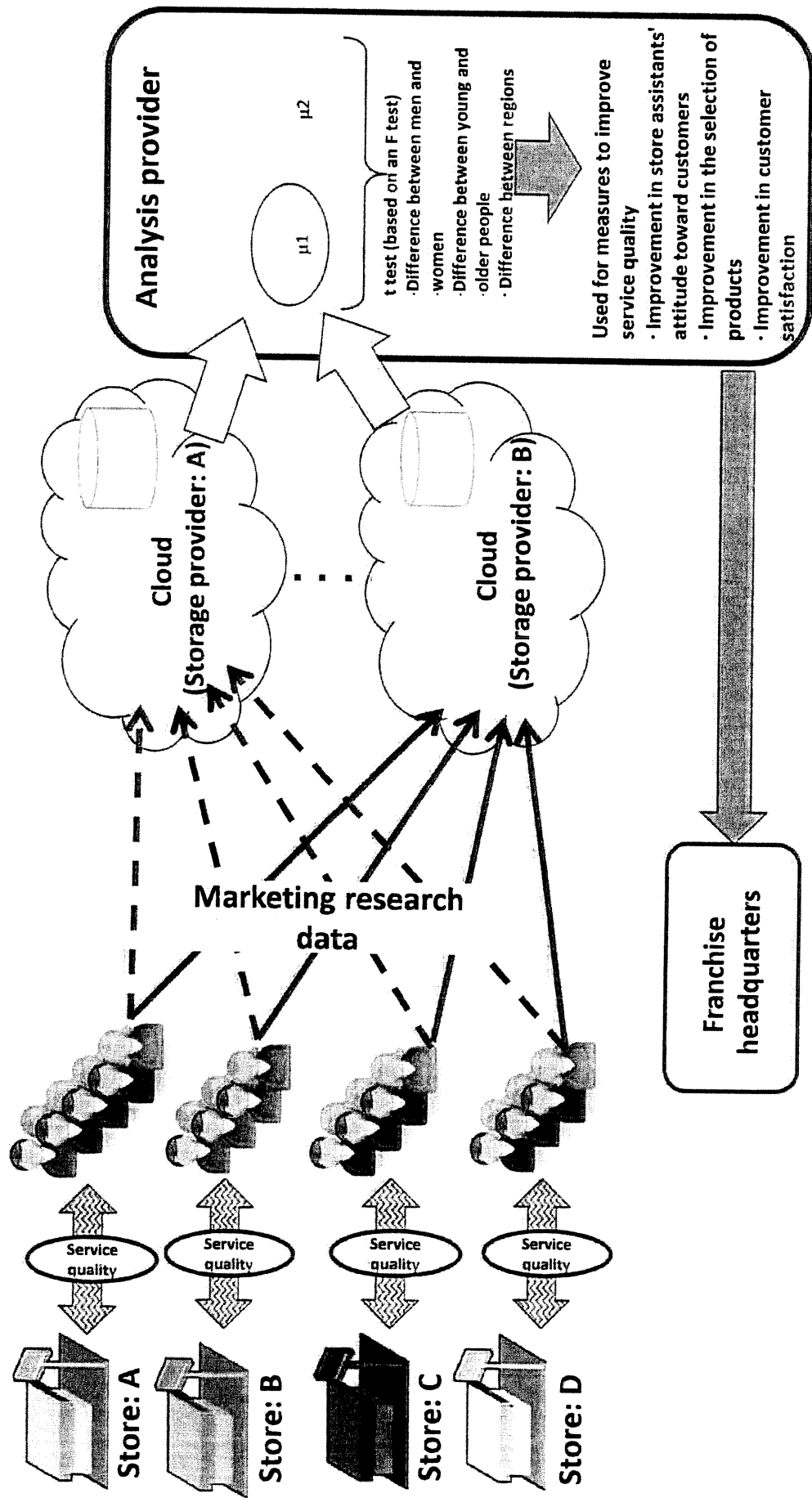
[Figure 25]

A test for population mean (t test) is performed by gender, age group, or region without individuals' weight data being disclosed, and is used for health guidance.



[Figure 26]

A test for population mean (t test) is performed without results of a questionnaire on customer-care "service quality" being disclosed, and is used for measures to improve service quality.)



[Figure 27]

CAN data is analyzed without a vehicle's owner being disclosed, so that it is used for measures taken by insurance companies.

