${\bf BigDataHw1}$

Ruolan Zeng(rxz171630)

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1 Q1

Key	Value
(0,1)	5,20
(20,28193)	1
(1,29826)	
(6222,19272)	19281, 19280, 19282, 19263
(28041,28056)	28054, 6245, 28061

2 Q2

		part-r-00000 ~
18666,18668	99	
18742,18743	99	
18670,18679	99	
18695, 18711	99	
18722,18729	99	
18712,18721	99	
18710,18728	99	
18676,18712	99	
18676,18721	99	
18681,18707	99	

3 Q3

(0,1) Juan:Columbia,Beth:Lake Worth

(20,28193) Robert:Dallas

(1,29826)

 $(6222,19272) \\ Betty: Harlingen, Hilton: Tiptonville, Charles: Fairbanks, Willie: South \\$

River

 $\begin{array}{ccc} (28041,\!28056) & Stephanie: Lafayette, Carl: Nashville, Taylor: Braddock \\ (26,\!28) & Charlotte: Mountain View, Evangeline: Loveland \end{array}$

4 Q4

	part-r-00000 ~
21616	1024 Graystone Lakes,Cedar Grove,Georgia,88
33689	581 Flinderation Road,Oak Park,Illinois,88
16359	4771 Ritter Avenue, Detroit, Michigan, 88
33683	3505 Yorkie Lane,Savannah,Georgia,88
30469	548 Camden Street, Sparks, Nevada, 88
15352	693 Terry Lane,Orlando,Florida,88
33662	4755 Oakway Lane,Los Angeles,California,88
44957	3083 Gateway Road, Portland, Oregon, 88
19173	4324 Davis Lane, Centennial, Colorado, 88
16502	1656 Marietta Street,Santa Rosa,California,88