Association rule mining

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Association rule mining

Revisit the notes on association rule mining and the R example on music playlists: playlists.R and playlists.csv. Then use the data on grocery purchases in groceries.txt and find some interesting association rules for these shopping baskets. The data file is a list of shopping baskets: one person's basket for each row, with multiple items per row separated by commas. Pick your own thresholds for lift and confidence; just be clear what these thresholds are and say why you picked them. Do your discovered item sets make sense? Present your discoveries in an interesting and visually appealing way.

```
# Load necessary libraries
library(tidyverse)
```

```
## — Attaching core tidyverse packages —
                                                                – tidyverse 2.0.0 —
## ✓ dplyr
               1.1.4
                                     2.1.5
                         ✓ readr
## ✓ forcats
               1.0.0
                                     1.5.1
                         ✓ stringr
## ✓ ggplot2
               3.5.0
                                     3.2.1

✓ tibble

## ✓ lubridate 1.9.3
                                     1.3.1
                         √ tidyr
## ✓ purrr
                                                          - tidyverse_conflicts() —
## — Conflicts -
## * dplyr::filter() masks stats::filter()
## x dplyr::lag()
                     masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts
to become errors
```

```
library(igraph)
```

```
##
## Attaching package: 'igraph'
##
  The following objects are masked from 'package:lubridate':
##
##
##
       %--%, union
##
## The following objects are masked from 'package:dplyr':
##
       as_data_frame, groups, union
##
##
## The following objects are masked from 'package:purrr':
##
       compose, simplify
##
##
##
  The following object is masked from 'package:tidyr':
##
##
       crossing
##
## The following object is masked from 'package:tibble':
##
##
       as_data_frame
##
## The following objects are masked from 'package:stats':
##
##
       decompose, spectrum
##
## The following object is masked from 'package:base':
##
##
       union
```

library(arules)

```
## Loading required package: Matrix
##
## Attaching package: 'Matrix'
##
## The following objects are masked from 'package:tidyr':
##
##
       expand, pack, unpack
##
##
## Attaching package: 'arules'
##
## The following object is masked from 'package:dplyr':
##
##
       recode
##
## The following objects are masked from 'package:base':
##
##
       abbreviate, write
```

```
## Apriori
##
## Parameter specification:
##
    confidence minval smax arem aval originalSupport maxtime support minlen
##
                         1 none FALSE
                                                  TRUE
                                                             5
                                                                 0.005
                                                                             1
           0.1
                  0.1
##
    maxlen target ext
         4 rules TRUE
##
##
## Algorithmic control:
    filter tree heap memopt load sort verbose
##
                                          TRUE
       0.1 TRUE TRUE FALSE TRUE
##
                                    2
##
## Absolute minimum support count: 49
##
## set item appearances ...[0 item(s)] done [0.00s].
## set transactions ...[169 item(s), 9835 transaction(s)] done [0.00s].
## sorting and recoding items ... [120 item(s)] done [0.00s].
## creating transaction tree ... done [0.00s].
## checking subsets of size 1 2 3 4
```

```
## Warning in apriori(groceries_raw, parameter = list(support = 0.005, confidence
## = 0.1, : Mining stopped (maxlen reached). Only patterns up to a length of 4
## returned!
```

```
## done [0.00s].
## writing ... [1582 rule(s)] done [0.00s].
## creating S4 object ... done [0.00s].
```

```
# arules package
arules::inspect(grocery_rules)
```

## lhs	rhs	support confiden
<pre>ce coverage lift count ## [1] {}</pre>	=> {bottled water}	0.110523640 0.11052
36 1.000000000 1.0000000 1087 ## [2] {}	=> {tropical fruit}	0.104931368 0.10493
14 1.000000000 1.0000000 1032	·	
## [3] {} 85 1.000000000 1.0000000 1072	<pre>=> {root vegetables}</pre>	0.108998475 0.10899
## [4] {}	=> {soda}	0.174377224 0.17437
72 1.000000000 1.0000000 1715 ## [5] {}	=> {yogurt}	0.139501779 0.13950
18 1.000000000 1.0000000 1372 ## [6] {}	=> {rolls/buns}	0.183934926 0.18393
49 1.0000000000 1.00000000 1809		
## [7] {} 26 1.000000000 1.0000000 1903	<pre>=> {other vegetables}</pre>	0.193492628 0.19349
## [8] {}	=> {whole milk}	0.255516014 0.25551
60 1.000000000 1.0000000 2513 ## [9] {cake bar}	=> {whole milk}	0.005592272 0.42307
69 0.013218099 1.6557746 55	- [ather weretahlee]	0 005000000 0 24104
## [10] {dishes} 05 0.017590239 1.7625502 59	<pre>=> {other vegetables}</pre>	0.005998983 0.34104
## [11] {dishes} 80 0.017590239 1.1763569 52	=> {whole milk}	0.005287239 0.30057
## [12] {mustard}	=> {whole milk}	0.005185562 0.43220
34 0.011997966 1.6914924 51 ## [13] {pot plants}	=> {whole milk}	0.006914082 0.40000
00 0.017285206 1.5654596 68	- [codo]	0 005200017 0 25602
## [14] {chewing gum} 86 0.021047280 1.4683033 53	=> {soda}	0.005388917 0.25603
## [15] {chewing gum} 59 0.021047280 0.9453259 50	=> {whole milk}	0.005083884 0.24154
## [16] {canned fish}	=> {other vegetables}	0.005083884 0.33783
78 0.015048297 1.7459985 50 ## [17] {pasta}	=> {whole milk}	0.006100661 0.40540
54 0.015048297 1.5866145 60		
## [18] {herbs} 00 0.016268429 3.9564774 69	<pre>=> {root vegetables}</pre>	0.007015760 0.43125
## [19] {herbs} 00 0.016268429 2.4548739 76	<pre>=> {other vegetables}</pre>	0.007727504 0.47500
## [20] {herbs}	=> {whole milk}	0.007727504 0.47500
00 0.016268429 1.8589833 76 ## [21] {processed cheese}	=> {soda}	0.005287239 0.31901
84 0.016573462 1.8294729 52		0 00E400E0E 0 22120
## [22] {processed cheese} 83 0.016573462 1.7121497 54	<pre>=> {other vegetables}</pre>	0.005490595 0.33128
## [23] {processed cheese} 29 0.016573462 1.6566981 69	=> {whole milk}	0.007015760 0.42331
<pre>## [24] {semi-finished bread}</pre>	=> {other vegetables}	0.005185562 0.29310
34 0.017691917 1.5148042 51 ## [25] {semi-finished bread}	=> {whole milk}	0.007117438 0.40229
89 0.017691917 1.5744565 70	•	

## [26] {beverages}		=>	{yogurt}	0.005490595	0.21093
75 0.026029487 1.5120775 ## [27] {beverages}	54	=>	{rolls/buns}	0.005388917	0.20703
12 0.026029487 1.1255679	53	-	(10 ccs) builds	0.003300317	0120703
## [28] {beverages}		=>	{other vegetables}	0.005185562	0.19921
88 0.026029487 1.0295935	51		fulbala millel	0.000012405	0 20171
## [29] {beverages} 88 0.026029487 1.0242753	67	=>	{whole milk}	0.006812405	0.26171
## [30] {ice cream}	07	=>	{soda}	0.006100661	0.24390
24 0.025012710 1.3987058	60				
## [31] {ice cream}		=>	{other vegetables}	0.005083884	0.20325
20 0.025012710 1.0504381	50		forth = 1 = = 11-1	0.005007300	0 22577
## [32] {ice cream} 24 0.025012710 0.9227303	58	=>	{whole milk}	0.005897306	0.23577
## [33] {detergent}	30	=>	{other vegetables}	0.006405694	0.33333
33 0.019217082 1.7227185	63				
## [34] {detergent}		=>	{whole milk}	0.008947636	0.46560
85 0.019217082 1.8222281	88		6.4		0 05705
## [35] {pickled vegetable 45 0.017895272 1.8499648	es} 63	=>	{other vegetables}	0.006405694	0.35795
## [36] {pickled vegetable		=>	{whole milk}	0.007117438	0.39772
73 0.017895272 1.5565650	70		C		
## [37] {baking powder}		=>	{other vegetables}	0.007320793	0.41379
31 0.017691917 2.1385471	72		6.1.2		
## [38] {baking powder} 85 0.017691917 2.0467935	91	=>	{whole milk}	0.009252669	0.52298
## [39] {flour}	91	=>	{other vegetables}	0.006304016	0.36257
31 0.017386884 1.8738342	62		to the regular test	01000001010	0.30237
## [40] {flour}		=>	{whole milk}	0.008439248	0.48538
01 0.017386884 1.8996074	83				
## [41] {soft cheese} 05 0.017081851 2.5174623	59	=>	{yogurt}	0.005998983	0.35119
## [42] {soft cheese}	39	=>	{rolls/buns}	0.005388917	0.31547
62 0.017081851 1.7151511	53		(. 6 1 15, 2 45)	0.0000000000000000000000000000000000000	01020.7
## [43] {soft cheese}		=>	{other vegetables}	0.007117438	0.41666
67 0.017081851 2.1533981	70		() ()	0 007504440	0 44047
## [44] {soft cheese} 62 0.017081851 1.7238692	74	=>	{whole milk}	0.007524148	0.44047
## [45] {specialty bar}	74	=>	{soda}	0.007219115	0.26394
05 0.027351296 1.5136181	71				
## [46] {specialty bar}		=>	<pre>{rolls/buns}</pre>	0.005592272	0.20446
10 0.027351296 1.1115940	55		6.4		0.00446
## [47] {specialty bar} 10 0.027351296 1.0566861	55	=>	{other vegetables}	0.005592272	0.20446
## [48] {specialty bar}	<i>J J</i>	=>	{whole milk}	0.006507372	0.23791
82 0.027351296 0.9311284	64		•		
<pre>## [49] {misc. beverages}</pre>		=>	{bottled water}	0.005287239	0.18637
99 0.028368073 1.6863354	52		[codo]	0 007220702	0 DE000
## [50] {misc. beverages} 45 0.028368073 1.4799210	72	=>	{soda}	0.007320793	0.25806
## [51] {misc. beverages}	, _	=>	{other vegetables}	0.005592272	0.19713
26 0.028368073 1.0188120	55		•		

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	## [52] {misc. beverages} 18 0.028368073 0.9678917 6		{whole milk}	0.007015760	0.24731
	## [53] {grapes}		{tropical fruit}	0.006100661	0.27272
	73 0.022369090 2.5991015 6				
	## [54] {grapes}		{other vegetables}	0.009049314	0.40454
	55 0.022369090 2.0907538 8 ## [55] {grapes}		{whole milk}	0.007320793	0.32727
	27 0.022369090 1.2808306 7		(WHOLE MILK)	0.00/320/93	0.32/2/
	## [56] {cat food}		{yogurt}	0.006202339	0.26637
	55 0.023284189 1.9094778 6		Cy - 2 y		
	## [57] {cat food}	=>	{other vegetables}	0.006507372	0.27947
	60 0.023284189 1.4443753 6				
	## [58] {cat food}		{whole milk}	0.008845958	0.37991
	27 0.023284189 1.4868448 8			0.000004046	
	## [59] {specialty chocolat 79 0.030401627 1.1891338 6		{soda}	0.006304016	0.20735
	## [60] {specialty chocolat		{rolls/buns}	0.005592272	0.18394
	65 0.030401627 1.0000629 5		(10 ((3) buil3)	0.003332272	0.10554
	## [61] {specialty chocolat		{other vegetables}	0.006100661	0.20066
	89 0.030401627 1.0370881 6				
	## [62] {specialty chocolat	e} =>	{whole milk}	0.008032537	0.26421
	40 0.030401627 1.0340410 7				
	## [63] {meat}		{sausage}	0.005287239	0.20472
	44 0.025826131 2.1790742 5		[mast wanstables]	0.00000004	0 10005
	## [64] {meat} 04 0.025826131 1.8059922 5		<pre>{root vegetables}</pre>	0.005083884	0.19685
	## [65] {meat}		{soda}	0.005490595	0.21259
	84 0.025826131 1.2191869 5		(Sodd)	01003430333	0121233
	## [66] {meat}		{yogurt}	0.005287239	0.20472
	44 0.025826131 1.4675398 5	2			
	## [67] {meat}		{rolls/buns}	0.006914082	0.26771
	65 0.025826131 1.4554959 6				
	## [68] {meat}		{other vegetables}	0.009964413	0.38582
	68 0.025826131 1.9940128 9 ## [69] {meat}		{whole milk}	0.009964413	0.38582
	68 0.025826131 1.5099906 9		(whole milk)	0.009904413	0.30302
	## [70] {frozen meals}		{tropical fruit}	0.005490595	0.19354
	84 0.028368073 1.8445236 5				
	## [71] {frozen meals}	=>	{soda}	0.006202339	0.21863
	80 0.028368073 1.2538220 6	1			
	## [72] {frozen meals}		{yogurt}	0.006202339	0.21863
	80 0.028368073 1.5672774 6		f	0.007504440	0 26522
	## [73] {frozen meals} 30 0.028368073 1.3707653 7		{other vegetables}	0.007524148	0.26523
	## [74] {frozen meals}		{whole milk}	0.009862735	0.34767
	03 0.028368073 1.3606593 9		Carrotte matery	0.003002733	3131707
	## [75] {hard cheese}		{sausage}	0.005185562	0.21161
	83 0.024504321 2.2524519 5				
	## [76] {hard cheese}		<pre>{root vegetables}</pre>	0.005592272	0.22821
	58 0.024504321 2.0937519 5			0.006405603	0 26444
	## [77] {hard cheese}		{yogurt}	0.006405694	0.26141
	08 0.024504321 1.8738886 6)			

51	2 - 7, 37	/ 1 1V1			Association fulc mining		
		[78] {hard cheese}		=>	{rolls/buns}	0.005897306	0.24066
		0.024504321 1.3084187 [79] {hard cheese}	58	=>	{other vegetables}	0.009456024	0.38589
		0.024504321 1.9943505	93		(other vegetables)	01003130021	0130303
		[80] {hard cheese}		=>	{whole milk}	0.010066090	0.41078
		0.024504321 1.6076815	99		f :	0.005000004	0 10101
		[81] {butter milk} 0.027961362 2.4034702	50	=>	{pip fruit}	0.005083884	0.18181
		[82] {butter milk}	30	=>	{tropical fruit}	0.005490595	0.19636
		0.027961362 1.8713531	54		(cropical frait)	01003130333	0.13030
	##	[83] {butter milk}		=>	<pre>{root vegetables}</pre>	0.005083884	0.18181
		0.027961362 1.6680801	50				
		[84] {butter milk}	0.4	=>	{yogurt}	0.008540925	0.30545
		0.027961362 2.1896104 [85] {butter milk}	84	->	{rolls/buns}	0.007625826	0.27272
		0.027961362 1.4827378	75		(10 ccs/bulls)	0.007023020	0.2/2/2
		[86] {butter milk}	-	=>	{other vegetables}	0.010371124	0.37090
	91	0.027961362 1.9169159	102				
		[87] {butter milk}		=>	{whole milk}	0.011591256	0.41454
		0.027961362 1.6223854	114		[twomical fauit]	0.005200017	0 10027
		[88] {candy} 0.029893238 1.7180002	53	=>	{tropical fruit}	0.005388917	0.18027
		[89] {candy}	JJ	=>	{soda}	0.008642603	0.28911
		0.029893238 1.6579897	85				
	##	[90] {candy}		=>	{yogurt}	0.005490595	0.18367
		0.029893238 1.3166389	54				
		[91] {candy}	70	=>	<pre>{rolls/buns}</pre>	0.007117438	0.23809
		0.029893238 1.2944537 [92] {candy}	70		{other vegetables}	0.006914082	0.23129
		0.029893238 1.1953557	68		(other vegetables)	0.000914002	0.23129
		[93] {candy}		=>	{whole milk}	0.008235892	0.27551
	02	0.029893238 1.0782502	81				
		[94] {ham}		=>	{white bread}	0.005083884	0.19531
		0.026029487 4.6398513	50		(h)	0 005000004	0 12077
		[95] {white bread} 0.042094560 4.6398513	50	=>	{ham}	0.005083884	0.120//
		[96] {ham}	30	=>	{tropical fruit}	0.005388917	0.20703
		0.026029487 1.9730158	53				
		[97] {ham}		=>	{yogurt}	0.006710727	0.25781
		0.026029487 1.8480947	66				
		[98] {ham} 0.026029487 1.4441249	68	=>	{rolls/buns}	0.006914082	0.26562
		[99] {ham}	00	=>	{other vegetables}	0.009150991	0.35156
		0.026029487 1.8169297	90		(other vegetables)	01003130331	0133130
		[100] {ham}		=>	{whole milk}	0.011489578	0.44140
		0.026029487 1.7275091	113				
		[101] {sliced cheese}	60	=>	{sausage}	0.007015760	0.28630
		0.024504321 3.0474349 [102] {sliced cheese}	69		{tropical fruit}	0.005287239	0.21576
		0.024504321 2.0562739	52	-/	ιτιυρτίαι Πατίς	0.007501538	0.213/0
		[103] {sliced cheese}	J-	=>	<pre>{root vegetables}</pre>	0.005592272	0.22821
		0.024504321 2.0937519	55		-		

)/	724, 5:47 PM		Association rule mining		
	## [104] {sliced cheese}		=> {soda}	0.005083884	0.20746
	89 0.024504321 1.1897705 ## [105] {sliced cheese}	50	=> {yogurt}	0.008032537	0 32780
	08 0.024504321 2.3497968	79	-> tyogurty	0.000032337	0132700
	## [106] {sliced cheese}		=> {rolls/buns}	0.007625826	0.31120
	33 0.024504321 1.6919208	75	f	0.000040244	0. 26020
	## [107] {sliced cheese} 46 0.024504321 1.9085720	89	<pre>=> {other vegetables}</pre>	0.009049314	0.36929
	## [108] {sliced cheese}	09	=> {whole milk}	0.010777834	0.43983
	40 0.024504321 1.7213560	106	Ç 33 <u>.</u> 2,	0.0000000000000000000000000000000000000	01.0000
	## [109] {UHT-milk}		=> {bottled water}	0.007320793	0.21884
	50 0.033451957 1.9800740	72		0.007625026	0 22706
	## [110] {UHT-milk} 35 0.033451957 1.3073010	75	=> {soda}	0.007625826	0.22796
	## [111] {UHT-milk}	75	=> {yogurt}	0.007422471	0.22188
	45 0.033451957 1.5905496	73	45.5.		
	## [112] {UHT-milk}		=> {rolls/buns}	0.006405694	0.19148
	94 0.033451957 1.0410712	63	(athan wanatah]aa]	0 000124215	0 24210
	## [113] {UHT-milk} 11 0.033451957 1.2566944	80	<pre>=> {other vegetables}</pre>	0.008134215	0.24316
	## [114] {oil}	00	<pre>=> {root vegetables}</pre>	0.007015760	0.25000
	00 0.028063040 2.2936101	69	, g		
	## [115] {oil}		=> {yogurt}	0.005287239	0.18840
	58 0.028063040 1.3505620	52	(aalla (kunal	0.005000004	0 10115
	## [116] {oil} 94 0.028063040 0.9849104	50	=> {rolls/buns}	0.005083884	0.18115
	## [117] {oil}	30	<pre>=> {other vegetables}</pre>	0.009964413	0.35507
	25 0.028063040 1.8350697	98	. 5		
	## [118] {oil}		=> {whole milk}	0.011286223	0.40217
	39 0.028063040 1.5739675	111	(chianad (acus acas)	0.005002004	0 16202
	## [119] {onions} 44 0.031011693 2.2869434	50	<pre>=> {whipped/sour cream}</pre>	0.005083884	0.16393
	## [120] {onions}	30	=> {citrus fruit}	0.005592272	0.18032
	79 0.031011693 2.1787771	55			
	## [121] {onions}		<pre>=> {bottled water}</pre>	0.005897306	0.19016
	39 0.031011693 1.7205725 ## [122] {onions}	58	=> {tropical fruit}	0.005693950	0.18360
	66 0.031011693 1.7497776	56	-> (tropical fruit)	0.000093930	0.10300
	## [123] {onions}		<pre>=> {root vegetables}</pre>	0.009456024	0.30491
	80 0.031011693 2.7974523	93			
	## [124] {onions}		=> {soda}	0.005287239	0.17049
	18 0.031011693 0.9777183 ## [125] {onions}	52	=> {yogurt}	0.007219115	0.23278
	69 0.031011693 1.6687019	71	-> tyoguits	0.007219113	0.23270
	## [126] {onions}		=> {rolls/buns}	0.006812405	0.21967
	21 0.031011693 1.1942927	67	_		
	## [127] {onions}	1 4 0	<pre>=> {other vegetables}</pre>	0.014234875	0.45901
	64 0.031011693 2.3722681 ## [128] {onions}	140	=> {whole milk}	0.012099644	0.39016
	39 0.031011693 1.5269647	119	- (midee milen)	0.012033074	0.0000
	## [129] {berries}		<pre>=> {whipped/sour cream}</pre>	0.009049314	0.27217
	13 0.033248602 3.7968855	89			

## [130] {whipped/sour cream} 11 0.071682766 3.7968855 89	=> {berries}	0.009049314 0.12624
## [131] {berries} 95 0.033248602 1.9582948 53	=> {citrus fruit}	0.005388917 0.16207
## [132] {berries} 49 0.033248602 1.9234941 66	<pre>=> {tropical fruit}</pre>	0.006710727 0.20183
## [133] {berries} 68 0.033248602 1.8236655 65	<pre>=> {root vegetables}</pre>	0.006609049 0.19877
## [134] {berries} 35 0.033248602 1.2626849 72	=> {soda}	0.007320793 0.22018
## [135] {berries} 28 0.033248602 2.2798477 104	=> {yogurt}	0.010574479 0.31804
## [136] {berries} 68 0.033248602 1.0806907 65	=> {rolls/buns}	0.006609049 0.19877
## [137] {berries} 85 0.033248602 1.5962805 101	<pre>=> {other vegetables}</pre>	0.010269446 0.30886
## [138] {berries} 01 0.033248602 1.3883281 116	=> {whole milk}	0.011794611 0.35474
## [139] {hamburger meat} 33 0.033248602 1.6600639 51	=> {sausage}	0.005185562 0.15596
## [140] {hamburger meat} 43 0.033248602 1.7114399 61	<pre>=> {root vegetables}</pre>	0.006202339 0.18654
## [141] {hamburger meat} 19 0.033248602 0.9996255 57	=> {soda}	0.005795628 0.17431
## [142] {hamburger meat} 87 0.033248602 1.4029832 64	=> {yogurt}	0.006507372 0.19571
## [143] {hamburger meat} 88 0.033248602 1.4132109 85	=> {rolls/buns}	0.008642603 0.25993
## [144] {hamburger meat} 21 0.033248602 2.1494470 136	<pre>=> {other vegetables}</pre>	0.013828165 0.41590
## [145] {hamburger meat} 51 0.033248602 1.7354101 145	=> {whole milk}	0.014743264 0.44342
## [146] {hygiene articles} 52 0.032943569 3.5364977 60	=> {napkins}	0.006100661 0.18518
## [147] {napkins} 49 0.052364006 3.5364977 60	<pre>=> {hygiene articles}</pre>	0.006100661 0.11650
## [148] {hygiene articles} 38 0.032943569 1.9391361 52	=> {citrus fruit}	0.005287239 0.16049
## [149] {hygiene articles} 74 0.032943569 1.5976283 51	=> {shopping bags}	0.005185562 0.15740
## [150] {hygiene articles} 95 0.032943569 1.5638239 56	=> {bottled water}	0.005693950 0.17283
## [151] {hygiene articles} 37 0.032943569 1.9413042 66	<pre>=> {tropical fruit}</pre>	0.006710727 0.20370
## [152] {hygiene articles} 02 0.032943569 1.5007572 53	<pre>=> {root vegetables}</pre>	0.005388917 0.16358
## [153] {hygiene articles} 30 0.032943569 1.2212774 69	=> {soda}	0.007015760 0.21296
## [154] {hygiene articles} 22 0.032943569 1.5929705 72	=> {yogurt}	0.007320793 0.22222
## [155] {hygiene articles} 23 0.032943569 0.9732374 58	=> {rolls/buns}	0.005897306 0.17901
25 01032373303 013732377 30		

## [156] {hygiene articl 35 0.032943569 1.4994032	es} 94	=>	{other vegetables}	0.009557702	0.29012
## [157] {hygiene articl 89 0.032943569 1.5219746		=>	{whole milk}	0.012811388	0.38888
## [158] {salty snack} 22 0.037824098 2.1938849	59	=>	<pre>{fruit/vegetable juice}</pre>	0.005998983	0.15860
## [159] {salty snack} 68 0.037824098 1.9125486	51	=>	<pre>{whipped/sour cream}</pre>	0.005185562	0.13709
## [160] {salty snack} 68 0.037824098 1.5409677	51	=>	{pastry}	0.005185562	0.13709
## [161] {salty snack} 22 0.037824098 1.6097545	59	=>	{shopping bags}	0.005998983	0.15860
## [162] {salty snack} 49 0.037824098 1.4878625	52	=>	{sausage}	0.005287239	0.13978
## [163] {salty snack} 95 0.037824098 1.4090111		=>	{tropical fruit}	0.005592272	0.14784
## [164] {salty snack}	55	=>	{soda}	0.009354347	0.24731
18 0.037824098 1.4182576 ## [165] {salty snack}	92	=>	{yogurt}	0.006202339	0.16397
85 0.037824098 1.1754581 ## [166] {salty snack}	61	=>	{other vegetables}	0.010777834	0.28494
62 0.037824098 1.4726465 ## [167] {salty snack}	106	=>	{whole milk}	0.011184545	0.29569
89 0.037824098 1.1572618 ## [168] {sugar}	110	=>	{margarine}	0.005490595	0.16216
22 0.033858668 2.7688626 ## [169] {sugar}	54	=>	{pastry}	0.005185562	0.15315
32 0.033858668 1.7214414 ## [170] {sugar}	51	=>	<pre>{root vegetables}</pre>	0.006405694	0.18918
92 0.033858668 1.7357049 ## [171] {sugar}	63	=>	{soda}	0.007320793	0.21621
62 0.033858668 1.2399338 ## [172] {sugar}	72	=>	{yogurt}	0.006914082	0.20420
42 0.033858668 1.4638107 ## [173] {sugar}	68	=>	{rolls/buns}	0.007015760	0.20720
72 0.033858668 1.1265245 ## [174] {sugar}	69	=>	{other vegetables}	0.010777834	0.31831
83 0.033858668 1.6451186 ## [175] {sugar}	106	=>	{whole milk}	0.015048297	0.44444
44 0.033858668 1.7393996 ## [176] {waffles}	148	=>	{chocolate}	0.005795628	0.15079
37 0.038434164 3.0390483 ## [177] {chocolate}	57	=>	{waffles}	0.005795628	0.11680
33 0.049618709 3.0390483 ## [178] {waffles}	57	=>	<pre>{whipped/sour cream}</pre>	0.005083884	0.13227
51 0.038434164 1.8452850 ## [179] {waffles}	50		{pastry}	0.007015760	0.18253
97 0.038434164 2.0517460 ## [180] {waffles}	69		{shopping bags}	0.005490595	0.14285
71 0.038434164 1.4499484 ## [181] {waffles}	54		{tropical fruit}	0.006100661	0.15873
02 0.038434164 1.5127046	60		(c. opical frait)	3.000100001	0.150/5

	[182] {waffles}		=>	{root vegetables}	0.006609049	0.17195
	0.038434164 1.5776154 [183] {waffles}	65	->	{soda}	0.009557702	0.24867
		94		(Soud)	0.009337702	0.24007
	[184] {waffles}		=>	{yogurt}	0.007524148	0.19576
	0.038434164 1.4033312 [185] {waffles}	74	->	{rolls/buns}	0.009150991	0.23809
		90		(10 cts/bulls)	0.003130331	0123003
	[186] {waffles}		=>	{other vegetables}	0.010066090	0.26190
		99		(whole milk)	0.012709710	0 22060
	[187] {waffles} 0.038434164 1.2941961 1	25	=>	{whole milk}	0.012/09/10	0.33000
	[188] {long life bakery		=>	{chocolate}	0.005287239	0.14130
		52		(1 1 ())	0.005207220	0 10055
	[189] {chocolate} 0.049618709 2.8478038	52	=>	{long life bakery product}	0.00528/239	0.10655
			=>	{fruit/vegetable juice}	0.006202339	0.16576
		61				
	[191] {long life bakery 0.037417387 2.1607886	product} 57	=>	{whipped/sour cream}	0.005795628	0.15489
	[192] {long life bakery		=>	{pastry}	0.005897306	0.15760
87	0.037417387 1.7715217	58				
	[193] {long life bakery	-	=>	{shopping bags}	0.005388917	0.14402
	0.037417387 1.4617686 [194] {long life bakery	53 product}	=>	{sausage}	0.005388917	0.14402
	-	53		(Saasage)	01003300317	0121102
	[195] {long life bakery	-	=>	{tropical fruit}	0.006304016	0.16847
	0.037417387 1.6056044 [196] {long life bakery	62 nroduct}	=>	{root vegetables}	0.005287239	0.14130
	*	52		(100t vegetables)	0.003207233	0.14130
	[197] {long life bakery	•	=>	{soda}	0.007625826	0.20380
	0.037417387 1.1687555 [198] {long life bakery	75 product?		{voqurt}	0.008744281	0.23369
	· ·	86		(yogur t)	0.000744201	0.23309
	[199] {long life bakery	product}	=>	{rolls/buns}	0.007930859	0.21195
		78		{other vegetables}	0.010676157	0.28532
	•	05	_/	tother vegetables;	0.0100/013/	0.20332
##	[201] {long life bakery	product}	=>	{whole milk}	0.013523132	0.36141
		33		(auad)	0.005105500	0 12072
	[202] {dessert} 0.037112354 2.6225295	51	=>	{curd}	0.005185562	0.13972
	[203] {dessert}		=>	{fruit/vegetable juice}	0.005998983	0.16164
		59			0.005000017	0.44505
	[204] {dessert} 0.037112354 1.6321096	53	=>	{pastry}	0.005388917	0.14520
	[205] {dessert}		=>	{shopping bags}	0.006202339	0.16712
		61				
	[206] {dessert} 0.037112354 1.6913657	58	=>	{sausage}	0.005897306	0.15890
	[207] {dessert}	50	=>	{bottled water}	0.005185562	0.13972
		51				

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	## [208] {dessert}	60	=> {tropical fruit}	0.006304016	0.16986
	30 0.037112354 1.6188011 ## [209] {dessert}	62	=> {root vegetables}	0.005795628	0.15616
	44 0.037112354 1.4327208	57			
	## [210] {dessert}	0.7	=> {soda}	0.009862735	0.26575
	34 0.037112354 1.5240145 ## [211] {dessert}	97	=> {yogurt}	0.009862735	0.26575
	34 0.037112354 1.9050182	97	-> tyogur ty	01003002733	0120373
	## [212] {dessert}		=> {rolls/buns}	0.006812405	0.18356
	16 0.037112354 0.9979706	67	(ather wastelles)	0.011501056	0 24222
	## [213] {dessert} 88 0.037112354 1.6141636	114	<pre>=> {other vegetables}</pre>	0.011591256	0.31232
	## [214] {dessert}		=> {whole milk}	0.013726487	0.36986
	30 0.037112354 1.4475140	135			
	## [215] {canned beer} 69 0.077681749 1.4879052	112	=> {shopping bags}	0.011387900	0.14659
	## [216] {shopping bags}	112	=> {canned beer}	0.011387900	0.11558
	31 0.098525674 1.4879052	112			
	## [217] {canned beer}		<pre>=> {bottled water}</pre>	0.008032537	0.10340
	31 0.077681749 0.9355749 ## [218] {canned beer}	79	=> {soda}	0.013828165	0.17801
	05 0.077681749 1.0208356	136	-> (30ua)	0.013020103	0.17001
	## [219] {canned beer}		=> {rolls/buns}	0.011286223	0.14528
	80 0.077681749 0.7898878	111	6.4		0.44640
	## [220] {canned beer} 21 0.077681749 0.6020495	89	<pre>=> {other vegetables}</pre>	0.009049314	0.11649
	## [221] {canned beer}	03	=> {whole milk}	0.008845958	0.11387
	43 0.077681749 0.4456642	87			
	## [222] {cream cheese}	EA	=> {curd}	0.005083884	0.12820
	51 0.039654296 2.4062928 ## [223] {cream cheese}	50	=> {domestic eggs}	0.005083884	0.12820
	51 0.039654296 2.0206690	50	(domestic eggs)	01003003001	0.12020
	## [224] {cream cheese}		<pre>=> {fruit/vegetable juice}</pre>	0.005693950	0.14358
	97 0.039654296 1.9862238 ## [225] {cream cheese}	56	=> {whipped/sour cream}	0.006405694	0.16153
	85 0.039654296 2.2535188	63	=> {willphed/soul creams	0.000403094	0.10133
	## [226] {cream cheese}		=> {pip fruit}	0.006100661	0.15384
	62 0.039654296 2.0337055	60	· (situus fuuit)	0 005000050	0 14050
	## [227] {cream cheese} 97 0.039654296 1.7348957	56	=> {citrus fruit}	0.005693950	0.14358
	## [228] {cream cheese}	30	=> {shopping bags}	0.005592272	0.14102
	56 0.039654296 1.4313593	55			
	## [229] {cream cheese} 56 0.039654296 1.5010684	55	=> {sausage}	0.005592272	0.14102
	## [230] {cream cheese}	33	=> {bottled water}	0.005897306	0.14871
	79 0.039654296 1.3455759	58		-	-
	## [231] {cream cheese}	71	<pre>=> {tropical fruit}</pre>	0.007219115	0.18205
	13 0.039654296 1.7349558 ## [232] {cream cheese}	71	=> {root vegetables}	0.007524148	0.18974
	36 0.039654296 1.7407912	74	(. 00 - 1090 200 200)	3.00,02,11,0	2.20071
	## [233] {cream cheese}		=> {soda}	0.006812405	0.17179
	49 0.039654296 0.9851910	67			

## [234] {cream cheese} 05 0.039654296 2.2424123	122	=> {yogurt}	0.012404677	0.31282
## [235] {cream cheese}		=> {rolls/buns}	0.009964413	0.25128
21 0.039654296 1.3661465 ## [236] {cream cheese}	98	=> {other vegetables}	0.013726487	0.34615
38 0.039654296 1.7889769 ## [237] {cream cheese}	135	=> {whole milk}	0.016471784	0.41538
46 0.039654296 1.6256696 ## [238] {chicken}	162	=> {frozen vegetables}	0.006710727	0.15639
81 0.042907982 3.2519564 ## [239] {frozen vegetab	66 les}	=> {chicken}	0.006710727	0.13953
49 0.048093543 3.2519564 ## [240] {chicken}	66	=> {pork}	0.005795628	0.13507
11 0.042907982 2.3428998 ## [241] {pork}	57	=> {chicken}	0.005795628	0.10052
91 0.057651246 2.3428998 ## [242] {chicken}	57	=> {butter}	0.005795628	0.13507
11 0.042907982 2.4374755 ## [243] {butter}	57	=> {chicken}	0.005795628	0.10458
72 0.055414337 2.4374755 ## [244] {chicken}	57	=> {newspapers}	0.005185562	0.12085
31 0.042907982 1.5141274	51			
## [245] {chicken} 98 0.042907982 2.2782803	61	=> {domestic eggs}	0.006202339	
## [246] {chicken} 64 0.042907982 2.3470976	71	<pre>=> {whipped/sour cream}</pre>	0.007219115	0.16824
## [247] {whipped/sour c 92 0.071682766 2.3470976	ream} 71	=> {chicken}	0.007219115	0.10070
## [248] {chicken} 74 0.042907982 1.9469124	68	=> {citrus fruit}	0.006914082	0.16113
## [249] {chicken} 27 0.042907982 1.3115755	52	=> {sausage}	0.005287239	0.12322
## [250] {chicken} 27 0.042907982 1.1148995	52	=> {bottled water}	0.005287239	0.12322
## [251] {chicken} 91 0.042907982 1.4227309	63	<pre>=> {tropical fruit}</pre>	0.006405694	0.14928
## [252] {chicken} 45 0.042907982 2.3262206		=> {root vegetables}	0.010879512	0.25355
## [253] {chicken}	107	=> {soda}	0.008337570	0.19431
28 0.042907982 1.1143244 ## [254] {chicken}	82	=> {yogurt}	0.008337570	0.19431
28 0.042907982 1.3929055 ## [255] {chicken}	82	=> {rolls/buns}	0.009659380	0.22511
85 0.042907982 1.2239029 ## [256] {chicken}	95	=> {other vegetables}	0.017895272	0.41706
16 0.042907982 2.1554393	176			0 40005
## [257] {chicken}		=> {whole milk}	0.017590239	0.40995
## [257] {cnicken} 26 0.042907982 1.6044106 ## [258] {white bread}	173	<pre>=> {whole milk} => {frankfurter}</pre>	0.017590239 0.005185562	0.409950.12318
26 0.042907982 1.6044106	173 51			

## [260] {white bread} 85 0.042094560 2.4390869 73	=> {fruit/vegetable juice}	0.007422471	0.17632
## [261] {fruit/vegetable juice} 23 0.072292832 2.4390869 73	=> {white bread}	0.007422471	0.10267
## [262] {white bread} 48 0.042094560 1.8196115 54	=> {whipped/sour cream}	0.005490595	0.13043
## [263] {white bread} 48 0.042094560 2.0754604 65	=> {pip fruit}	0.006609049	0.15700
## [264] {white bread} 02 0.042094560 1.4932367 55	=> {pastry}	0.005592272	0.13285
## [265] {white bread} 85 0.042094560 1.7896706 73	=> {shopping bags}	0.007422471	0.17632
## [266] {white bread} 76 0.042094560 1.8254099 71	=> {sausage}	0.007219115	0.17149
## [267] {white bread} 95 0.042094560 1.9796699 86	=> {tropical fruit}	0.008744281	0.20772
## [268] {white bread} 58 0.042094560 1.7285177 78	=> {root vegetables}	0.007930859	0.18840
## [269] {white bread}	=> {soda}	0.010269446	0.24396
14 0.042094560 1.3990437 101 ## [270] {white bread} 58 0.042094560 1.5410258 89	=> {yogurt}	0.009049314	0.21497
## [271] {white bread} 94 0.042094560 0.8404569 64	=> {rolls/buns}	0.006507372	0.15458
## [272] {white bread} 70 0.042094560 1.6852681 135	<pre>=> {other vegetables}</pre>	0.013726487	0.32608
## [273] {white bread} 71 0.042094560 1.5881474 168	=> {whole milk}	0.017081851	0.40579
## [274] {chocolate} 00 0.049618709 2.2557339 61	=> {butter}	0.006202339	0.12500
## [275] {butter} 66 0.055414337 2.2557339 61	=> {chocolate}	0.006202339	0.11192
## [276] {chocolate}	=> {newspapers}	0.005490595	0.11065
57 0.049618709 1.3863684 54 ## [277] {chocolate} 51 0.049618709 1.8991521 67	<pre>=> {fruit/vegetable juice}</pre>	0.006812405	0.13729
## [278] {chocolate}	=> {pip fruit}	0.006100661	0.12295
08 0.049618709 1.6252975 60 ## [279] {chocolate}	=> {pastry}	0.008032537	0.16188
52 0.049618709 1.8195902 79 ## [280] {chocolate}	=> {citrus fruit}	0.006405694	0.12909
84 0.049618709 1.5598064 63 ## [281] {chocolate}	=> {shopping bags}	0.008134215	0.16393
44 0.049618709 1.6638752 80 ## [282] {chocolate} 67 0.049618709 1.4177378 65	=> {sausage}	0.006609049	0.13319
## [283] {chocolate} 33 0.049618709 1.0568172 57	=> {bottled water}	0.005795628	0.11680
## [284] {chocolate}	=> {tropical fruit}	0.008134215	0.16393
44 0.049618709 1.5623014 80 ## [285] {chocolate}	=> {root vegetables}	0.006405694	0.12909
84 0.049618709 1.1844052 63			

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		[286] {chocolate}		=> {soc	a}	0.013523132	0.27254
		0.049618709 1.5629391 [287] {chocolate}	133	=> {yog	ur+l	0.009252669	0.18647
		0.049618709 1.3367242	91	-/ \yug	uits	0.009232009	0.10047
	##	[288] {chocolate}		=> {rol	ls/buns}	0.011794611	0.23770
		0.049618709 1.2923316	116	_	_		
		[289] {chocolate}	125	=> {oth	er vegetables}	0.012709710	0.25614
		<pre>0.049618709 1.3238103 [290] {chocolate}</pre>	125	=> {who	le milk}	0.016675140	0.33606
		0.049618709 1.3152427	164	· (Wile	rec mileny	01010075110	0.55000
	##	[291] {coffee}		=> {fru	<pre>it/vegetable juice}</pre>	0.005998983	0.10332
		0.058057956 1.4292910	59	ć			
		[292] {coffee} 0.058057956 1.4658866	60	=> {whi	pped/sour cream}	0.006100661	0.10507
		[293] {coffee}	00	=> {pir	fruit}	0.006914082	0.11908
		0.058057956 1.5742519	68	∀ -			
		[294] {coffee}		=> {pas	try}	0.006914082	0.11908
		0.058057956 1.3385639	68	. (ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ	£	0.000405004	0 11022
		[295] {coffee} 0.058057956 1.3330744	63	=> {Clt	rus fruit}	0.006405694	0.11033
		[296] {coffee}	05	=> {sho	pping bags}	0.009354347	0.16112
	08	0.058057956 1.6353183	92		., .		
		[297] {coffee}		=> {sau	sage}	0.006914082	0.11908
		0.058057956 1.2675795	68	_> (bo+	+lod vator)	0 007220702	0 12600
		[298] {coffee} 0.058057956 1.1408833	72	=> {000	tled water}	0.007320793	0.12609
		[299] {coffee}	, _	=> {tro	pical fruit}	0.007117438	0.12259
		0.058057956 1.1683060	70				
		[300] {coffee}	70	=> {roc	t vegetables}	0.007320793	0.12609
		0.058057956 1.1568471 [301] {coffee}	72	=> {soc	al	0.009964413	0.17162
		0.058057956 0.9842382	98	_> (300	a)	0:003304413	011/102
	##	[302] {coffee}		=> {yog	urt}	0.009761057	0.16812
		0.058057956 1.2051896	96				
		[303] {coffee} 0.058057956 1.0283085	108	=> {rol	ls/buns}	0.010981190	0.18914
		[304] {coffee}	100	=> {oth	er vegetables}	0.013421454	0.23117
		0.058057956 1.1947400	132	(**			
		[305] {coffee}		=> {who	le milk}	0.018708693	0.32224
		0.058057956 1.2611408	184	. (.1.3	0.000405004	0 12210
		[306] {frozen vegetab 0.048093543 2.3103124	tes} 63	=> {por	·K}	0.006405694	0.13319
		[307] {pork}	05	=> {fro	zen vegetables}	0.006405694	0.11111
	11	0.057651246 2.3103124	63		•		
		[308] {frozen vegetab		=> {fra	nkfurter}	0.005083884	0.10570
		<pre>0.048093543 1.7924838 [309] {frozen vegetab</pre>	50 1ecl	Jmar	garine}	0.005083884	0.10570
		0.048093543 1.8049316	50	-/ \mid1	gai ine;	400C00C00 I B	0.107/0
		[310] {frozen vegetab		=> {but	ter}	0.005795628	0.12050
		0.048093543 2.1746611	57				
		[311] {butter}	F-7	=> {fro	zen vegetables}	0.005795628	0.10458
	12	0.055414337 2.1746611	57				

## [312] {frozen vegetables} 24 0.048093543 1.6994125 51	=> {domestic eggs}	0.005185562 0.1	L0782
## [313] {frozen vegetables} 07 0.048093543 2.2518235 77	<pre>=> {fruit/vegetable juice}</pre>	0.007829181 0.1	16279
## [314] {fruit/vegetable juice} 82 0.072292832 2.2518235 77	<pre>=> {frozen vegetables}</pre>	0.007829181 0.1	10829
## [315] {frozen vegetables} 49 0.048093543 2.3004813 78	<pre>=> {whipped/sour cream}</pre>	0.007930859 0.1	L6490
## [316] {whipped/sour cream} 83 0.071682766 2.3004813 78	<pre>=> {frozen vegetables}</pre>		11063
## [317] {frozen vegetables} 99 0.048093543 2.0122076 72	=> {pip fruit}		15221
## [318] {frozen vegetables} 07 0.048093543 1.6603597 65	=> {citrus fruit}		L3742
<pre>## [319] {frozen vegetables} 57 0.048093543 1.3276795 59 ## [320] {frozen vegetables}</pre>	<pre>=> {sausage} => {bottled water}</pre>		L2473 L2896
## [320] {frozen vegetables} 41 0.048093543 1.1668459 61 ## [321] {frozen vegetables}	=> {tropical fruit}		18181
82 0.048093543 1.7327343 86 ## [322] {frozen vegetables}	=> {root vegetables}		24101
48 0.048093543 2.2111759 114 ## [323] {root vegetables}	=> {frozen vegetables}		10634
33 0.108998475 2.2111759 114 ## [324] {frozen vegetables}	=> {soda}	0.008642603 0.1	L7970
40 0.048093543 1.0305475 85 ## [325] {frozen vegetables}	=> {yogurt}	0.012404677 0.2	25792
81 0.048093543 1.8489235 122 ## [326] {frozen vegetables}	=> {rolls/buns}	0.010167768 0.2	21141
65 0.048093543 1.1494092 100 ## [327] {frozen vegetables} 89 0.048093543 1.9121083 175	=> {other vegetables}	0.017793594 0.3	36997
## [328] {frozen vegetables} 71 0.048093543 1.6630940 201	=> {whole milk}	0.020437214 0.4	12494
## [329] {beef} 88 0.052465684 2.5211743 75	=> {pork}	0.007625826 0.1	L4534
## [330] {pork} 51 0.057651246 2.5211743 75	=> {beef}	0.007625826 0.1	13227
## [331] {beef} 71 0.052465684 2.0185152 61	=> {margarine}	0.006202339 0.1	11821
## [332] {margarine} 28 0.058566345 2.0185152 61	=> {beef}	0.006202339 0.1	L0590
## [333] {beef} 51 0.052465684 1.9934393 57	=> {butter}		11046
## [334] {butter} 72 0.055414337 1.9934393 57	=> {beef}		L0458
## [335] {beef} 30 0.052465684 1.5296623 63	=> {newspapers}		L2209
## [336] {beef} 11 0.052465684 1.8021548 59	=> {domestic eggs}		11434
## [337] {beef} 70 0.052465684 1.7843477 66	<pre>=> {whipped/sour cream}</pre>	0.006710727 0.1	L2790

## [338] {beef}	=> {pastry}	0.006304016 0.12015
50 0.052465684 1.3505426 62	=> {citrus fruit}	0 000420249 0 16095
## [339] {beef} 27 0.052465684 1.9434723 83	=> {CILTUS TRUIT}	0.008439248 0.16085
## [340] {citrus fruit}	=> {beef}	0.008439248 0.10196
56 0.082765633 1.9434723 83		
## [341] {beef} 91 0.052465684 1.1345284 55	=> {sausage}	0.005592272 0.10658
## [342] {beef}	=> {bottled water}	0.006202339 0.11821
71 0.052465684 1.0696088 61		
## [343] {beef}	<pre>=> {tropical fruit}</pre>	0.007625826 0.14534
88 0.052465684 1.3851801 75 ## [344] {beef}	=> {root vegetables}	0.017386884 0.33139
53 0.052465684 3.0403668 171	-> {root vegetables}	0.017300004 0.33139
## [345] {root vegetables}	=> {beef}	0.017386884 0.15951
49 0.108998475 3.0403668 171		
## [346] {beef} 88 0.052465684 0.8890998 80	=> {soda}	0.008134215 0.15503
## [347] {beef}	=> {yogurt}	0.011692933 0.22286
82 0.052465684 1.5976012 115	4,5 - 5	
## [348] {beef}	=> {rolls/buns}	0.013624809 0.25968
99 0.052465684 1.4118576 134 ## [349] {beef}	=> {other vegetables}	0.019725470 0.37596
90 0.052465684 1.9430662 194	-> tother vegetables;	0.019/234/0 0.3/390
## [350] {other vegetables}	=> {beef}	0.019725470 0.10194
43 0.193492628 1.9430662 194		
## [351] {beef} 88 0.052465684 1.5851795 209	=> {whole milk}	0.021250635 0.40503
## [352] {curd}	=> {margarine}	0.006304016 0.11832
06 0.053279105 2.0202833 62	(mar gar ine)	01000301010 0111031
## [353] {margarine}	=> {curd}	0.006304016 0.10763
89 0.058566345 2.0202833 62	[buttor]	0 00601340E 0 13706
## [354] {curd} 26 0.053279105 2.3073920 67	=> {butter}	0.006812405 0.12786
## [355] {butter}	=> {curd}	0.006812405 0.12293
58 0.055414337 2.3073920 67		
## [356] {curd} 02 0.053279105 1.3389410 56	=> {newspapers}	0.005693950 0.10687
## [357] {curd}	=> {domestic eggs}	0.006507372 0.12213
74 0.053279105 1.9250343 64	. 33 -	
## [358] {domestic eggs}	=> {curd}	0.006507372 0.10256
41 0.063446873 1.9250343 64 ## [359] {curd}	-> [whinned/sour sroom]	0 010472001 0 10656
## [359] {curd} 49 0.053279105 2.7421499 103	<pre>=> {whipped/sour cream}</pre>	0.010472801 0.19656
<pre>## [360] {whipped/sour cream}</pre>	=> {curd}	0.010472801 0.14609
93 0.071682766 2.7421499 103		
## [361] {curd} 66 0.053279105 1.9424993 77	=> {pip fruit}	0.007829181 0.14694
## [362] {pip fruit}	=> {curd}	0.007829181 0.10349
46 0.075648195 1.9424993 77	-	
## [363] {curd}	=> {pastry}	0.007524148 0.14122
14 0.053279105 1.5873282 74		

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	## [364] {curd}		=> {citrus fruit}	0.007117438	0.13358
	78 0.053279105 1.6140490 ## [365] {curd}	70	=> {shopping bags}	0.005388917	0.10114
	50 0.053279105 1.0265856	5 53	(Shopping bags)	01003300317	0110114
	## [366] {curd}		=> {sausage}	0.007625826	0.14312
	98 0.053279105 1.5234646	5 75	(hottladatau)	0.000100001	0 11450
	## [367] {curd} 38 0.053279105 1.0360120	0 60	<pre>=> {bottled water}</pre>	0.006100661	0.11450
	## [368] {curd}	, 00	<pre>=> {tropical fruit}</pre>	0.010269446	0.19274
	81 0.053279105 1.8368968	3 101			
	## [369] {curd} 85 0.053279105 1.8734067	7 107	<pre>=> {root vegetables}</pre>	0.010879512	0.20419
	## [370] {curd}	7 107	=> {soda}	0.008134215	0.15267
	18 0.053279105 0.8755258	80	(0.000)		
	## [371] {curd}		=> {yogurt}	0.017285206	0.32442
	75 0.053279105 2.3256154 ## [372] {yogurt}	1 170	=> {curd}	0.017285206	0.12390
	67 0.139501779 2.3256154	1 170	-> (Curu)	0.01/203200	0.12390
	## [373] {curd}		=> {rolls/buns}	0.010066090	0.18893
	13 0.053279105 1.0271638	3 99	(athan wanatahlas)	0.017102520	0 22251
	## [374] {curd} 91 0.053279105 1.6668288	3 169	<pre>=> {other vegetables}</pre>	0.017183528	0.32251
	## [375] {curd}	105	=> {whole milk}	0.026131164	0.49045
	80 0.053279105 1.9194805	5 257			
	## [376] {whole milk} 82 0.255516014 1.9194805	5 257	=> {curd}	0.026131164	0.10226
	## [377] {napkins}	5 257	=> {newspapers}	0.006202339	0.11844
	66 0.052364006 1.4839775	61	(попорадо, о,	0.000_0_0	0122011
	## [378] {napkins}		=> {domestic eggs}	0.005998983	0.11456
	31 0.052364006 1.8056541 ## [379] {napkins}	L 59	<pre>=> {fruit/vegetable juice}</pre>	0.006914082	0.13203
	88 0.052364006 1.8264444	1 68	=> {\text{Indit}, vegetable juice}	0.000914002	0.13203
	## [380] {napkins}		<pre>=> {whipped/sour cream}</pre>	0.007219115	0.13786
	41 0.052364006 1.9232528		(mankina)	0 007210115	0 10070
	## [381] {whipped/sour 92 0.071682766 1.9232528		=> {napkins}	0.007219115	0.10070
	## [382] {napkins}	, , ,	=> {pip fruit}	0.006710727	0.12815
	53 0.052364006 1.6940965	66			
	## [383] {napkins} 06 0.052364006 1.5059417	7 69	=> {pastry}	0.007015760	0.13398
	## [384] {napkins}	09	=> {citrus fruit}	0.007625826	0.14563
	11 0.052364006 1.7595596	5 75			
	## [385] {napkins}		=> {shopping bags}	0.007219115	0.13786
	41 0.052364006 1.3992706 ## [386] {napkins}	5 71	=> {sausage}	0.006710727	0.12815
	53 0.052364006 1.3640777	7 66	(JaaJage)	01000/10/2/	0.12013
	## [387] {napkins}		<pre>=> {bottled water}</pre>	0.008642603	0.16504
	85 0.052364006 1.4933325	5 85	- [tropical fauit]	0 010055000	a 10222
	## [388] {napkins} 30 0.052364006 1.8319880	99	<pre>=> {tropical fruit}</pre>	0.010066090	0.19223
	## [389] {napkins}	. 33	<pre>=> {root vegetables}</pre>	0.009964413	0.19029
	13 0.052364006 1.7458158	3 98			

## [390] {napkins}	=>	{soda}	0.011997966	0.22912
62 0.052364006 1.3139687 11		())		0 00405
## [391] {napkins} 15 0.052364006 1.6842183 12		{yogurt}	0.012302999	0.23495
## [392] {napkins}		{rolls/buns}	0.011692933	0.22330
10 0.052364006 1.2140216 11				
## [393] {napkins}		{other vegetables}	0.014438231	0.27572
82 0.052364006 1.4250060 14			0.040705470	0. 27660
## [394] {napkins} 90 0.052364006 1.4742678 19		{whole milk}	0.019725470	0.37669
## [395] {pork}		{frankfurter}	0.005897306	0.10229
·	8			
## [396] {frankfurter}		{pork}	0.005897306	0.10000
	8	[0.000405004	0 11111
## [397] {pork} 11 0.057651246 1.8971836 6	3	{margarine}	0.006405694	0.11111
## [398] {margarine}		{pork}	0.006405694	0.10937
_	3			
## [399] {pork}		{newspapers}	0.006609049	0.11463
	5		0 0000055000	0 44205
## [400] {pork} 71 0.057651246 1.9929078 8	=> 1	{whipped/sour cream}	0.008235892	0.14285
## [401] {whipped/sour cream		{pork}	0.008235892	0.11489
	1	Ch o v 13		
## [402] {pork}	=>	{pip fruit}	0.006100661	0.10582
	0			
## [403] {pork} 74 0.057651246 1.2290653 6	=> 2	{pastry}	0.006304016	0.10934
## [404] {pork}		{citrus fruit}	0.006507372	0.11287
	4	(citius inuit)	01000307372	0111207
## [405] {pork}		{shopping bags}	0.006405694	0.11111
	3			
## [406] {pork} 48 0.057651246 1.2014323 6	=> 4	{sausage}	0.006507372	0.11287
## [407] {pork}		{bottled water}	0.007422471	0.12874
·	3	(Societa mater)	01007 122 172	0.1207
## [408] {pork}	=>	{tropical fruit}	0.008540925	0.14814
	4		0.013634000	0 22622
## [409] {pork} 16 0.057651246 2.1682099 13		<pre>{root vegetables}</pre>	0.013624809	0.23633
## [410] {root vegetables}		{pork}	0.013624809	0.12500
00 0.108998475 2.1682099 13		Ch o v 13		
## [411] {pork}	=>	{soda}	0.011896289	0.20634
92 0.057651246 1.1833495 11		5		0.46570
## [412] {pork} 48 0.057651246 1.1884066 9	=> 4	{yogurt}	0.009557702	0.16578
## [413] {pork}		{rolls/buns}	0.011286223	0.19576
72 0.057651246 1.0643286 11		- · · · · ·		
## [414] {pork}		<pre>{other vegetables}</pre>	0.021657346	0.37566
14 0.057651246 1.9414764 21		(mamb)	0.001057040	0 11100
## [415] {other vegetables} 85 0.193492628 1.9414764 21		{pork}	0.021657346	0.11192
00 0:130437070 1:3414/04 51	٠			

## [416] {pork}		=> {whole milk}	0.022165735	0.38447
97 0.057651246 1.5047187	218			
## [417] {frankfurter}		=> {brown bread}	0.007117438	0.12068
97 0.058973055 1.8604745	70			
## [418] {brown bread}		<pre>=> {frankfurter}</pre>	0.007117438	0.10971
79 0.064870361 1.8604745	70	(0.000405004	0 10000
## [419] {frankfurter}	63	=> {margarine}	0.006405694	0.10862
07 0.058973055 1.8546606 ## [420] {margarine}	63	=> {frankfurter}	0.006405694	0.10937
50 0.058566345 1.8546606	63	=> {Irankrurter}	0.000403094	0.10937
## [421] {frankfurter}	05	=> {domestic eggs}	0.007015760	0.11896
55 0.058973055 1.8750414	69	(domestre eggs)	01007015700	0111030
## [422] {domestic eggs}		<pre>=> {frankfurter}</pre>	0.007015760	0.11057
69 0.063446873 1.8750414	69			
## [423] {frankfurter}		<pre>=> {whipped/sour cream}</pre>	0.006202339	0.10517
24 0.058973055 1.4671925	61			
## [424] {frankfurter}		=> {pip fruit}	0.007219115	0.12241
38 0.058973055 1.6181985	71			
## [425] {frankfurter}		=> {pastry}	0.008337570	0.14137
93 0.058973055 1.5891034	82			
## [426] {frankfurter}		<pre>=> {citrus fruit}</pre>	0.006507372	0.11034
48 0.058973055 1.3332204	64			
## [427] {frankfurter}	0.4	<pre>=> {shopping bags}</pre>	0.008235892	0.13965
52 0.058973055 1.4174496	81	(0.010000000	0 17000
## [428] {frankfurter} 97 0.058973055 1.8168103	99	=> {sausage}	0.010066090	0.17068
## [429] {sausage}	99	<pre>=> {frankfurter}</pre>	0.010066090	0.10714
29 0.093950178 1.8168103	99	-> {IIIdlikiuitei}	0.01000090	0.10/14
## [430] {frankfurter}	33	<pre>=> {bottled water}</pre>	0.007320793	0.12413
79 0.058973055 1.1231799	72	(botted water)	01007320733	0112113
## [431] {frankfurter}		<pre>=> {tropical fruit}</pre>	0.009456024	0.16034
48 0.058973055 1.5280924	93			
## [432] {frankfurter}		<pre>=> {root vegetables}</pre>	0.010167768	0.17241
38 0.058973055 1.5818001	100			
## [433] {frankfurter}		=> {soda}	0.011286223	0.19137
93 0.058973055 1.0975018	111			
## [434] {frankfurter}		=> {yogurt}	0.011184545	0.18965
52 0.058973055 1.3595179	110	(mall = //h.m.a)	0.040247002	0 22500
## [435] {frankfurter}	100	=> {rolls/buns}	0.019217082	0.32586
21 0.058973055 1.7716161 ## [436] {rolls/buns}	189	=> {frankfurter}	0.019217082	0 10447
76 0.183934926 1.7716161	189	-> {IIIdlikiuitei}	0.019217002	0.10447
## [437] {frankfurter}	103	<pre>=> {other vegetables}</pre>	0.016471784	0.27931
03 0.058973055 1.4435193	162	- (Strict Vegetables)	01010771704	J. L. 7 J. L
## [438] {frankfurter}		=> {whole milk}	0.020538892	0.34827
59 0.058973055 1.3630295	202	-	-	
## [439] {margarine}		<pre>=> {bottled beer}</pre>	0.006100661	0.10416
67 0.058566345 1.2935343	60			
## [440] {butter}		<pre>=> {bottled beer}</pre>	0.005795628	0.10458
72 0.055414337 1.2987559	57	2 1 2		
## [441] {bottled beer}	4	<pre>=> {bottled water}</pre>	0.015760041	0.19570
71 0.080528724 1.7707259	155			

IJ	24, 5:4	-/ FIVI			Association rule mining		
		[442] {bottled water}	155	=>	{bottled beer}	0.015760041	0.14259
		<pre>0.110523640 1.7707259 [443] {bottled beer}</pre>	155	=>	{tropical fruit}	0.008235892	0.10227
		0.080528724 0.9746631	81				
		[444] {bottled beer}	0.5	=>	<pre>{root vegetables}</pre>	0.009659380	0.11994
		0.080528724 1.1004695 [445] {bottled beer}	95	->	{soda}	0.016980173	0.21085
		0.080528724 1.2092094	167		(soda)	0.010900175	0.21003
		[446] {bottled beer}		=>	{yogurt}	0.009252669	0.11489
	90	0.080528724 0.8236382	91				
		[447] {bottled beer}		=>	<pre>{rolls/buns}</pre>	0.013624809	0.16919
		0.080528724 0.9198466	134		(athor wasatahlaa)	0 016166751	0 20075
		[448] {bottled beer} 0.080528724 1.0375464	159	=>	<pre>{other vegetables}</pre>	0.016166751	0.20075
		[449] {bottled beer}	155	=>	{whole milk}	0.020437214	0.25378
	79	0.080528724 0.9932367	201				
		[450] {brown bread}		=>	{margarine}	0.006507372	0.10031
		0.064870361 1.7128178	64		61		0.4444
		[451] {margarine} 0.058566345 1.7128178	64	=>	{brown bread}	0.006507372	0.11111
		[452] {butter}	04	=>	{brown bread}	0.005795628	0.10458
		0.055414337 1.6122487	57		(2.0 2.000)	010007000	0120.00
	##	[453] {brown bread}		=>	<pre>{newspapers}</pre>	0.007625826	0.11755
		0.064870361 1.4728051	75				
		[454] {brown bread}	67	=>	{domestic eggs}	0.006812405	0.10501
		0.064870361 1.6551749 [455] {domestic eggs}	67		{brown bread}	0.006812405	0.10737
		0.063446873 1.6551749	67		(b) own b) cad	0.000012403	0.10/5/
		[456] {brown bread}		=>	<pre>{fruit/vegetable juice}</pre>	0.008337570	0.12852
	66	0.064870361 1.7778615	82				
		[457] {fruit/vegetable	-	=>	{brown bread}	0.008337570	0.11533
		0.072292832 1.7778615	82		(nin fruit)	0 007625026	0.11755
		[458] {brown bread} 0.064870361 1.5539678	75	-/	<pre>{pip fruit}</pre>	0.007625826	0.11/33
		[459] {pip fruit}	, 3	=>	{brown bread}	0.007625826	0.10080
	65	0.075648195 1.5539678	75				
		[460] {brown bread}		=>	{pastry}	0.009659380	0.14890
		0.064870361 1.6736677	95		{brown bread}	0 000650300	0.10857
		[461] {pastry} 0.088967972 1.6736677	95	-/	fpromit pread?	0.009659380	0.10037
		[462] {brown bread}	33	=>	{citrus fruit}	0.008337570	0.12852
	66	0.064870361 1.5528987	82				
		[463] {citrus fruit}		=>	{brown bread}	0.008337570	0.10073
		0.082765633 1.5528987	82		(ahamatan kawa)	0.00055000	0 14202
		[464] {brown bread} 0.064870361 1.4476758	91	=>	{shopping bags}	0.009252669	0.14263
		[465] {brown bread}	J±	=>	{sausage}	0.010676157	0.16457
		0.064870361 1.7517455	105		J -		-
		[466] {sausage}		=>	{brown bread}	0.010676157	0.11363
		0.093950178 1.7517455	105		(ha++1a-d +)	0.0000000000000000000000000000000000000	0 10005
		[467] {brown bread} 0.064870361 1.1487067	81	=>	{bottled water}	0.008235892	0.12695
	32	0.0040/0501 1.140/00/	01				

	## [468] {brown bread}		=>	{tropical fruit}	0.010676157	0.16457
	58 0.064870361 1.5684233 ## [469] {tropical fruit}	105	=>	{brown bread}	0.010676157	0.10174
	42 0.104931368 1.5684233 ## [470] {brown bread}	105		{root vegetables}	0.010167768	0.15673
	98 0.064870361 1.4380000	100		(100c vegetables)	0.010107700	0.13075
	## [471] {brown bread} 74 0.064870361 1.1145800	124	=>	{soda}	0.012608033	0.19435
	## [472] {brown bread}	124	=>	{yogurt}	0.014539908	0.22413
	79 0.064870361 1.6067030 ## [473] {yogurt}	143		{brown bread}	0.014539908	0.10422
	## [473] {yogurt} 74 0.139501779 1.6067030	143	->	(blown blead)	0.014339900	0.10422
	## [474] {brown bread}	124	=>	{rolls/buns}	0.012608033	0.19435
	74 0.064870361 1.0566637 ## [475] {brown bread}	124	=>	{other vegetables}	0.018708693	0.28840
	13 0.064870361 1.4905025	184		(0.025246065	0 20071
	## [476] {brown bread} 47 0.064870361 1.5212930	248	=>	{whole milk}	0.025216065	0.38871
	## [477] {margarine}		=>	{butter}	0.006710727	0.11458
	33 0.058566345 2.0677561 ## [478] {butter}	66	=>	{margarine}	0.006710727	0.12110
	09 0.055414337 2.0677561	66			0 007447400	
	## [479] {margarine} 78 0.058566345 1.5225805	70	=>	{newspapers}	0.007117438	0.12152
;	## [480] {margarine}		=>	{domestic eggs}	0.008337570	0.14236
	11 0.058566345 2.2437845 ## [481] {domestic eggs}	82	=>	{margarine}	0.008337570	0.13141
	03 0.063446873 2.2437845	82		-		
	## [482] {margarine} 28 0.058566345 1.4649140	61	=>	<pre>{fruit/vegetable juice}</pre>	0.006202339	0.10590
;	## [483] {margarine}		=>	{whipped/sour cream}	0.006812405	0.11631
	94 0.058566345 1.6226975 ## [484] {margarine}	67	=>	{pip fruit}	0.008540925	0.14583
	33 0.058566345 1.9277834	84				
	## [485] {pip fruit} 32 0.075648195 1.9277834	84	=>	{margarine}	0.008540925	0.11290
1	## [486] {margarine}		=>	{pastry}	0.006812405	0.11631
	94 0.058566345 1.3074306 ## [487] {margarine}	67	=>	{citrus fruit}	0.007930859	0.13541
	o. 0.058566345 1.6361461	78				
	## [488] {margarine} 78 0.058566345 1.2935343	70	=>	{sausage}	0.007117438	0.12152
;	## [489] {margarine}		=>	{bottled water}	0.010269446	0.17534
	72 0.058566345 1.5865133 ## [490] {margarine}	101	=>	{tropical fruit}	0.009354347	0.15972
	22 0.058566345 1.5221590	92				
	## [491] {margarine} 51 0.058566345 1.7361354	109	=>	{root vegetables}	0.011082867	0.18923
	## [492] {root vegetables}		=>	{margarine}	0.011082867	0.10167
	91 0.108998475 1.7361354 ## [493] {margarine}	109		{soda}	0.010167768	0.17361
	11 0.058566345 0.9956066	100	-/	(30ua)	0.01010//00	0.1/201

3124, 3.41	1 1/1			Association rule mining		
	[494] {margarine}		=>	{yogurt}	0.014234875	0.24305
	0.058566345 1.7423115 [495] {yogurt}	140	=>	{margarine}	0.014234875	0.10204
	0.139501779 1.7423115	140		(mar gar ine)	01011231073	0110201
	[496] {margarine}		=>	<pre>{rolls/buns}</pre>	0.014743264	0.25173
	0.058566345 1.3686151 [497] {margarine}	145		<pre>{other vegetables}</pre>	0.019725470	0.33680
	0.058566345 1.7406635	194	_/	tother vegetables;	0.019723470	0.33000
	[498] {other vegetables		=>	{margarine}	0.019725470	0.10194
	0.193492628 1.7406635	194				
	[499] {margarine} 0.058566345 1.6170980	238	=>	{whole milk}	0.024199288	0.41319
	[500] {butter}	230	=>	{newspapers}	0.005795628	0.10458
	0.055414337 1.3103372	57		(espapere)	01000,0000	01-01-01
	[501] {butter}		=>	{domestic eggs}	0.009659380	0.17431
	0.055414337 2.7473683	95		{butter}	0 000650300	0 15334
	[502] {domestic eggs} 0.063446873 2.7473683	95	=>	{bucter}	0.009659380	0.15224
	[503] {butter}	33	=>	<pre>{fruit/vegetable juice}</pre>	0.008032537	0.14495
	0.055414337 2.0050968	79				
	[504] {fruit/vegetable	-	=>	{butter}	0.008032537	0.11111
	0.072292832 2.0050968 [505] {butter}	79	=>	{whipped/sour cream}	0.010167768	0.18348
	0.055414337 2.5596981	100		(willped, sour erealing	01010107700	0110310
	[506] {whipped/sour cre	eam}	=>	{butter}	0.010167768	0.14184
	0.071682766 2.5596981	100		6 1 6 1 3		
	[507] {butter} 0.055414337 1.7463747	72	=>	{pip fruit}	0.007320793	0.13211
	[508] {butter}	12	=>	{pastry}	0.007625826	0.13761
47 (0.055414337 1.5467890	75		,		
	[509] {butter}	0.0	=>	{citrus fruit}	0.009150991	0.16513
	0.055414337 1.9952438 [510] {citrus fruit}	90		{butter}	0.009150991	0.11056
	0.082765633 1.9952438	90		(bucter)	0.009130991	0.11030
	[511] {butter}		=>	{sausage}	0.008642603	0.15596
	0.055414337 1.6600639	85				
	[512] {butter} 0.055414337 1.4609353	88	=>	{bottled water}	0.008947636	0.16146
	[513] {butter}	00	=>	{tropical fruit}	0.009964413	0.17981
65 (0.055414337 1.7136583	98		·		
	[514] {butter}		=>	<pre>{root vegetables}</pre>	0.012913066	0.23302
	0.055414337 2.1378971	127		{butter}	0.012913066	0.11847
	<pre>[515] {root vegetables} 0.108998475 2.1378971</pre>	127	-/	(NULLE) \$	0.012913000	V.1104/
	[516] {butter}		=>	{soda}	0.008845958	0.15963
	0.055414337 0.9154465	87				
	[517] {butter} 0.055414337 1.8940273	144	=>	{yogurt}	0.014641586	0.26422
	[518] {yogurt}	177	=>	{butter}	0.014641586	0.10495
	0.139501779 1.8940273	144				
	[519] {butter}		=>	<pre>{rolls/buns}</pre>	0.013421454	0.24220
18 (0.055414337 1.3167800	132				

=> {other vegetables}	0.020030503 0.36146
=> {butter}	0.020030503 0.10352
=> {whole milk}	0.027554652 0.49724
-> [huttor]	0.027554652 0.10783
-> fputter?	0.02/334032 0.10/63
=> {newspapers}	0.006914082 0.10897
<pre>=> {fruit/vegetable juice}</pre>	0.008235892 0.10318
=> {newspapers}	0.008235892 0.11392
=> {newspapers}	0.007219115 0.10070
-> Inactrul	0.008439248 0.10573
=> {citrus fruit}	0.008337570 0.10445
=> {newspapers}	0.008337570 0.10073
=> {sausage}	0.008032537 0.10063
=> {bottled water}	0.011286223 0.14140
=> {newspapers}	0.011286223 0.10211
•	
=> {newspapers}	0.011794611 0.11240
<pre>=> {root vegetables}</pre>	0.011489578 0.14394
=> {newspapers}	0.011489578 0.10541
=> {soda}	0.014641586 0.18343
=> {vogurt}	0.015353330 0.19235
=> {newspapers}	0.015353330 0.11005
=> {rolls/buns}	0.019725470 0.24713
=> {newspapers}	0.019725470 0.10724
=> {other vegetables}	0.019318760 0.24203
=> {whole milk}	0.027351296 0.34267
=> {newspaners}	0.027351296 0.10704
(aapaper a)	0110704
	<pre>=> {butter} => {whole milk} => {butter} => {newspapers} => {fruit/vegetable juice} => {newspapers} => {newspapers} => {citrus fruit} => {newspapers} => {sausage} => {bottled water} => {newspapers} => {tropical fruit} => {newspapers} => {newspapers} => {root vegetables} => {soda} => {yogurt} => {newspapers} => {newspapers} => {citrus fruit} => {newspapers} => {tropical fruit} => {newspapers} => {newspapers} => {newspapers} => {soda} => {yogurt} => {newspapers} => {newsp</pre>

	[546] {domestic eggs} 0.063446873 1.7512464	79	=>	{fruit/vegetable juice}	0.008032537	0.12660
##	[547] {fruit/vegetable 0.072292832 1.7512464		=>	{domestic eggs}	0.008032537	0.11111
##	[548] {domestic eggs} 0.063446873 2.1909211	98	=>	{whipped/sour cream}	0.009964413	0.15705
##	[549] {whipped/sour cre 0.071682766 2.1909211		=>	{domestic eggs}	0.009964413	0.13900
##	[550] {domestic eggs} 0.063446873 1.8006768	85	=>	{pip fruit}	0.008642603	0.13621
##	[551] {pip fruit} 0.075648195 1.8006768	85	=>	{domestic eggs}	0.008642603	0.11424
##	[552] {domestic eggs} 0.063446873 1.6031410	89	=>	{pastry}	0.009049314	0.14262
##	[553] {pastry} 0.088967972 1.6031410	89	=>	{domestic eggs}	0.009049314	0.10171
	[554] {domestic eggs} 0.063446873 1.9749929	102	=>	{citrus fruit}	0.010371124	0.16346
##	[555] {citrus fruit} 0.082765633 1.9749929	102	=>	{domestic eggs}	0.010371124	0.12530
##	[556] {domestic eggs} 0.063446873 1.4476248	89	=>	{shopping bags}	0.009049314	0.14262
##	[557] {domestic eggs} 0.063446873 1.6034139	94	=>	{sausage}	0.009557702	0.15064
##	[558] {sausage} 0.093950178 1.6034139	94	=>	{domestic eggs}	0.009557702	0.10173
##	[559] {domestic eggs} 0.063446873 1.3049766	90	=>	{bottled water}	0.009150991	0.14423
##	[560] {domestic eggs} 0.063446873 1.7105198	112	=>	{tropical fruit}	0.011387900	0.17948
##	[561] {tropical fruit} 0.104931368 1.7105198	112	=>	{domestic eggs}	0.011387900	0.10852
##	[562] {domestic eggs} 0.063446873 2.0730706	141	=>	{root vegetables}	0.014336553	0.22596
##	[563] {root vegetables} 0.108998475 2.0730706		=>	{domestic eggs}	0.014336553	0.13152
##	[564] {domestic eggs} 0.063446873 1.1212062	122	=>	{soda}	0.012404677	0.19551
##	[565] {domestic eggs} 0.063446873 1.6197753	141	=>	{yogurt}	0.014336553	0.22596
##	[566] {yogurt} 0.139501779 1.6197753	141	=>	{domestic eggs}	0.014336553	0.10276
##	[567] {domestic eggs} 0.063446873 1.3417510	154	=>	{rolls/buns}	0.015658363	0.24679
##	[568] {domestic eggs} 0.063446873 1.8138238	219	=>	{other vegetables}	0.022267412	0.35096
##	[569] {other vegetables 0.193492628 1.8138238		=>	{domestic eggs}	0.022267412	0.11508
##	[570] {domestic eggs} 0.063446873 1.8502027	295	=>	{whole milk}	0.029994916	0.47275
##	[571] {whole milk} 0.255516014 1.8502027	295	=>	{domestic eggs}	0.029994916	0.11738

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		[572] {fruit/vegetable 0.072292832 1.7462469	juice} =	=>	{whipped/sour cream}	0.009049314	0.12517
	##	[573] {whipped/sour cre	eam} :	=>	<pre>{fruit/vegetable juice}</pre>	0.009049314	0.12624
	##	0.071682766 1.7462469 [574] {fruit/vegetable	-	=>	{pip fruit}	0.009557702	0.13220
		0.072292832 1.7476710 [575] {pip fruit}	94	=>	<pre>{fruit/vegetable juice}</pre>	0.009557702	0.12634
	41	0.075648195 1.7476710	94				
		[576] {fruit/vegetable 0.072292832 1.3279325	juice} :	=>	{pastry}	0.008540925	0.11814
		[577] {fruit/vegetable 0.072292832 1.7333271	juice} :	=>	{citrus fruit}	0.010371124	0.14345
	##	[578] {citrus fruit} 0.082765633 1.7333271		=>	{fruit/vegetable juice}	0.010371124	0.12530
	##	[579] {fruit/vegetable	juice} :	=>	{shopping bags}	0.010676157	0.14767
		<pre>0.072292832 1.4988918 [580] {shopping bags}</pre>	105	=>	{fruit/vegetable juice}	0.010676157	0.10835
		0.098525674 1.4988918	105		[]	0.010000000	0 12024
		[581] {fruit/vegetable 0.072292832 1.4820675	99	=>	{sausage}	0.010066090	0.13924
		[582] {sausage} 0.093950178 1.4820675	99	=>	<pre>{fruit/vegetable juice}</pre>	0.010066090	0.10714
	##	[583] {fruit/vegetable	juice}	=>	{bottled water}	0.014234875	0.19690
		<pre>0.072292832 1.7815715 [584] {bottled water}</pre>	140	=>	<pre>{fruit/vegetable juice}</pre>	0.014234875	0.12879
		0.110523640 1.7815715	140				
		[585] {fruit/vegetable 0.072292832 1.8095010	juice} :	=>	{tropical fruit}	0.013726487	0.18987
		[586] {tropical fruit} 0.104931368 1.8095010	135	=>	<pre>{fruit/vegetable juice}</pre>	0.013726487	0.13081
	##	[587] {fruit/vegetable 0.072292832 1.5226216		=>	{root vegetables}	0.011997966	0.16596
	##	[588] {root vegetables}	· :	=>	<pre>{fruit/vegetable juice}</pre>	0.011997966	0.11007
		<pre>0.108998475 1.5226216 [589] {fruit/vegetable</pre>	118 iuice} :	=>	{soda}	0.018403660	0.25457
		0.072292832 1.4598869	181		(Soud)	0101010000	0123 137
		[590] {soda} 0.174377224 1.4598869	181	=>	<pre>{fruit/vegetable juice}</pre>	0.018403660	0.10553
	##	[591] {fruit/vegetable	juice}	=>	{yogurt}	0.018708693	0.25879
		0.072292832 1.8551049 [592] {yogurt}	184	=>	<pre>{fruit/vegetable juice}</pre>	0.018708693	0.13411
	80	0.139501779 1.8551049	184				
		[593] {fruit/vegetable 0.072292832 1.0934583	juice} :	=>	{rolls/buns}	0.014539908	0.20112
		[594] {fruit/vegetable 0.072292832 1.5046529	juice} = 207	=>	{other vegetables}	0.021047280	0.29113
	##	[595] {other vegetables 0.193492628 1.5046529	;} :	=>	{fruit/vegetable juice}	0.021047280	0.10877
	##	[596] {fruit/vegetable	-	=>	{whole milk}	0.026639553	0.36849
		0.072292832 1.4421604 [597] {whole milk}	262	=>	{fruit/vegetable juice}	0.026639553	0.10425
	79	0.255516014 1.4421604	262				

## [598] {whipped/sour cream} 80 0.071682766 1.7062934 91	=> {pip fruit}	0.009252669 0.12907
## [599] {pip fruit} 18 0.075648195 1.7062934 91	<pre>=> {whipped/sour cream}</pre>	0.009252669 0.12231
<pre>## [600] {whipped/sour cream}</pre>	=> {pastry}	0.007524148 0.10496
45 0.071682766 1.1798014 74 ## [601] {whipped/sour cream}	=> {citrus fruit}	0.010879512 0.15177
30 0.071682766 1.8337690 107		
## [602] {citrus fruit} 96 0.082765633 1.8337690 107	<pre>=> {whipped/sour cream}</pre>	0.010879512 0.13144
## [603] {whipped/sour cream} 83 0.071682766 1.1229388 78	<pre>=> {shopping bags}</pre>	0.007930859 0.11063
83 0.071682766 1.1229388 78 ## [604] {whipped/sour cream}	=> {sausage}	0.009049314 0.12624
11 0.071682766 1.3437030 89		0 000744201 0 12100
## [605] {whipped/sour cream} 58 0.071682766 1.1037079 86	<pre>=> {bottled water}</pre>	0.008744281 0.12198
## [606] {whipped/sour cream}	<pre>=> {tropical fruit}</pre>	0.013828165 0.19290
78 0.071682766 1.8384188 136 ## [607] {tropical fruit}	<pre>=> {whipped/sour cream}</pre>	0.013828165 0.13178
29 0.104931368 1.8384188 136		
## [608] {whipped/sour cream} 79 0.071682766 2.1862496 168	<pre>=> {root vegetables}</pre>	0.017081851 0.23829
## [609] {root vegetables}	<pre>=> {whipped/sour cream}</pre>	0.017081851 0.15671
64 0.108998475 2.1862496 168 ## [610] {whipped/sour cream}	=> {soda}	0.011591256 0.16170
21 0.071682766 0.9273122 114	-> \Suuas	0.011391230 0.10170
## [611] {whipped/sour cream} 17 0.071682766 2.0742510 204	=> {yogurt}	0.020742247 0.28936
## [612] {yogurt}	<pre>=> {whipped/sour cream}</pre>	0.020742247 0.14868
80 0.139501779 2.0742510 204		
## [613] {whipped/sour cream} 53 0.071682766 1.1104760 144	=> {rolls/buns}	0.014641586 0.20425
<pre>## [614] {whipped/sour cream}</pre>	<pre>=> {other vegetables}</pre>	0.028876462 0.40283
69 0.071682766 2.0819237 284 ## [615] {other vegetables}	=> {whipped/sour cream}	0.028876462 0.14923
80 0.193492628 2.0819237 284	-> {wiiippeu/soui creams	0.020070402 0.14923
## [616] {whipped/sour cream}	=> {whole milk}	0.032231825 0.44964
54 0.071682766 1.7597542 317 ## [617] {whole milk}	<pre>=> {whipped/sour cream}</pre>	0.032231825 0.12614
41 0.255516014 1.7597542 317		
## [618] {pip fruit} 90 0.075648195 1.5862903 105	=> {pastry}	0.010676157 0.14112
## [619] {pastry}	=> {pip fruit}	0.010676157 0.12000
00 0.088967972 1.5862903 105	(ait mus	0.012020165 0.10270
## [620] {pip fruit} 57 0.075648195 2.2085942 136	=> {citrus fruit}	0.013828165 0.18279
## [621] {citrus fruit}	=> {pip fruit}	0.013828165 0.16707
62 0.082765633 2.2085942 136 ## [622] {pip fruit}	=> {shopping bags}	0.009354347 0.12365
59 0.075648195 1.2550629 92	· (SSpping bags)	0.00000
## [623] {pip fruit} 31 0.075648195 1.5164752 106	=> {sausage}	0.010777834 0.14247
31 0.075648195 1.5164752 106		

## [624] {sausage}	=> {pip fruit}	0.010777834 0.11471
86 0.093950178 1.5164752 106 ## [625] {pip fruit}	=> {bottled water}	0.010574479 0.13978
49 0.075648195 1.2647516 104	(Societa water)	01010371173 0113370
## [626] {pip fruit}	<pre>=> {tropical fruit}</pre>	0.020437214 0.27016
13 0.075648195 2.5746476 201 ## [627] {tropical fruit}	=> {pip fruit}	0.020437214 0.19476
74 0.104931368 2.5746476 201	-, (pip Huit)	01020437214 0113470
## [628] {pip fruit}	<pre>=> {root vegetables}</pre>	0.015556685 0.20564
52 0.075648195 1.8866793 153	forto foreital	0.045556605 0.44070
## [629] {root vegetables} 39 0.108998475 1.8866793 153	=> {pip fruit}	0.015556685 0.14272
## [630] {pip fruit}	=> {soda}	0.013319776 0.17607
53 0.075648195 1.0097378 131		
## [631] {pip fruit}	=> {yogurt}	0.017996950 0.23790
32 0.075648195 1.7053777 177 ## [632] {yogurt}	=> {pip fruit}	0.017996950 0.12900
87 0.139501779 1.7053777 177	, (pip iluit)	01017330330 0112300
## [633] {pip fruit}	=> {rolls/buns}	0.013929842 0.18413
98 0.075648195 1.0011138 137	· (ather wasatables)	0.000101104 0.04540
## [634] {pip fruit} 01 0.075648195 1.7852365 257	<pre>=> {other vegetables}</pre>	0.026131164 0.34543
## [635] {other vegetables}	=> {pip fruit}	0.026131164 0.13504
99 0.193492628 1.7852365 257		
## [636] {pip fruit}	=> {whole milk}	0.030096594 0.39784
95 0.075648195 1.5570432 296 ## [637] {whole milk}	=> {pip fruit}	0.030096594 0.11778
75 0.255516014 1.5570432 296	-> (pip (full)	0.030030334 0.11770
## [638] {pastry}	=> {citrus fruit}	0.009761057 0.10971
43 0.088967972 1.3256020 96		0.00764057 0.44702
## [639] {citrus fruit} 61 0.082765633 1.3256020 96	=> {pastry}	0.009761057 0.11793
## [640] {pastry}	=> {shopping bags}	0.011896289 0.13371
43 0.088967972 1.3571517 117	,, ,	
## [641] {shopping bags}	=> {pastry}	0.011896289 0.12074
30 0.098525674 1.3571517 117 ## [642] {pastry}	=> {sausage}	0.012506355 0.14057
14 0.088967972 1.4962338 123	(JadJage)	01012300333 0111037
## [643] {sausage}	=> {pastry}	0.012506355 0.13311
69 0.093950178 1.4962338 123		0.000047626 0.10057
## [644] {pastry} 14 0.088967972 0.9099540 88	<pre>=> {bottled water}</pre>	0.008947636 0.10057
## [645] {pastry}	<pre>=> {tropical fruit}</pre>	0.013218099 0.14857
14 0.088967972 1.4158915 130	·	
## [646] {tropical fruit}	=> {pastry}	0.013218099 0.12596
90 0.104931368 1.4158915 130 ## [647] {pastry}	=> {root vegetables}	0.010981190 0.12342
86 0.088967972 1.1323881 108		0.010001100 0112072
## [648] {root vegetables}	=> {pastry}	0.010981190 0.10074
63 0.108998475 1.1323881 108	-> [codo]	0 001047000 0 00657
## [649] {pastry} 14 0.088967972 1.3566647 207	=> {soda}	0.021047280 0.23657
1. 010000077 207		

יוכ	727, J.77 1 WI			Association fulc mining		
	## [650] {soda}		=>	{pastry}	0.021047280	0.12069
	97 0.174377224 1.3566647 ## [651] {pastry}	207	=>	{yogurt}	0.017691917	0.19885
	71 0.088967972 1.4254810	174		1 , 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		
	## [652] {yogurt}	174	=>	{pastry}	0.017691917	0.12682
	22 0.139501779 1.4254810 ## [653] {pastry}	174	=>	{rolls/buns}	0.020945602	0.23542
	86 0.088967972 1.2799558	206		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	## [654] {rolls/buns}		=>	<pre>{pastry}</pre>	0.020945602	0.11387
	51 0.183934926 1.2799558 ## [655] {pastry}	206		<pre>{other vegetables}</pre>	0.022572445	0.25371
	43 0.088967972 1.3112349	222		(other vegetables)	0.022372443	0.233/1
	## [656] {other vegetable		=>	{pastry}	0.022572445	0.11665
	79 0.193492628 1.3112349	222				
	## [657] {pastry}	227	=>	{whole milk}	0.033248602	0.37371
	43 0.088967972 1.4625865 ## [658] {whole milk}	327	=>	{pastry}	0.033248602	0.13012
	34 0.255516014 1.4625865	327		(pastry)	01033240002	0113012
	## [659] {citrus fruit}		=>	{shopping bags}	0.009761057	0.11793
	61 0.082765633 1.1970090	96				
	## [660] {citrus fruit} 36 0.082765633 1.4514463	111	=>	{sausage}	0.011286223	0.13636
	## [661] {sausage}	111	=>	{citrus fruit}	0.011286223	0.12012
	99 0.093950178 1.4514463	111		(
	## [662] {citrus fruit}		=>	{bottled water}	0.013523132	0.16339
	07 0.082765633 1.4783323	133		fathana fanita)	0.013533133	0 42225
	## [663] {bottled water} 51 0.110523640 1.4783323	133	=>	{citrus fruit}	0.013523132	0.12235
	## [664] {citrus fruit}	155	=>	{tropical fruit}	0.019928826	0.24078
	62 0.082765633 2.2947022	196		•		
	## [665] {tropical fruit}		=>	{citrus fruit}	0.019928826	0.18992
	25 0.104931368 2.2947022 ## [666] {citrus fruit}	196		[root vogotables]	0 017601017	0.21375
	92 0.082765633 1.9611211	174	=>	<pre>{root vegetables}</pre>	0.017691917	0.213/3
	## [667] {root vegetables		=>	{citrus fruit}	0.017691917	0.16231
	34 0.108998475 1.9611211	174				
	## [668] {citrus fruit}	126	=>	{soda}	0.012811388	0.15479
	12 0.082765633 0.8876799 ## [669] {citrus fruit}	126	=>	{yogurt}	0.021657346	0.26167
	08 0.082765633 1.8757521	213		tyoga. ty	0.021037310	0120107
	## [670] {yogurt}		=>	{citrus fruit}	0.021657346	0.15524
	78 0.139501779 1.8757521	213				
	## [671] {citrus fruit} 27 0.082765633 1.1020349	165	=>	{rolls/buns}	0.016776817	0.20270
	## [672] {citrus fruit}	103	=>	{other vegetables}	0.028876462	0.34889
	43 0.082765633 1.8031403	284		J		
	## [673] {other vegetable		=>	{citrus fruit}	0.028876462	0.14923
	80 0.193492628 1.8031403 ## [674] {citrus fruit}	284		{whole milk}	0.030503305	0.36855
	## [674] {CILTUS TRUIL} 04 0.082765633 1.4423768	300	_>	fallore mitckl	CACCACACATA	0.0000
	## [675] {whole milk}		=>	{citrus fruit}	0.030503305	0.11937
	92 0.255516014 1.4423768	300				

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	## [676] {shopping bags}	154	=>	{sausage}	0.015658363	0.15892
	67 0.098525674 1.6916065 ## [677] {sausage}	154	=>	{shopping bags}	0.015658363	0.16666
	67 0.093950178 1.6916065	154				
	## [678] {shopping bags} 51 0.098525674 1.0084278	108	=>	{bottled water}	0.010981190	0.11145
	## [679] {shopping bags}	100	=>	{tropical fruit}	0.013523132	0.13725
	49 0.098525674 1.3080445	133				
	## [680] {tropical fruit} 60 0.104931368 1.3080445	133	=>	{shopping bags}	0.013523132	0.12887
	## [681] {shopping bags}		=>	<pre>{root vegetables}</pre>	0.012811388	0.13003
	10 0.098525674 1.1929613 ## [682] {root vegetables	126		{shopping bags}	0.012811388	0.11753
	73 0.108998475 1.1929613	r 126	-/	(Shopping bags)	0.012011300	0.11/33
	## [683] {shopping bags}		=>	{soda}	0.024605999	0.24974
	20 0.098525674 1.4321939 ## [684] {soda}	242	=>	{shopping bags}	0.024605999	0.14110
	79 0.174377224 1.4321939	242		(Shopping bugs)	01024005555	0114110
	## [685] {shopping bags}	150	=>	{yogurt}	0.015251652	0.15479
	88 0.098525674 1.1096544 ## [686] {yogurt}	150	=>	{shopping bags}	0.015251652	0.10932
	94 0.139501779 1.1096544	150				
	## [687] {shopping bags} 24 0.098525674 1.0772419	192	=>	{rolls/buns}	0.019522115	0.19814
	## [688] {rolls/buns}	192	=>	{shopping bags}	0.019522115	0.10613
	60 0.183934926 1.0772419	192				
	## [689] {shopping bags} 41 0.098525674 1.2160366	228	=>	<pre>{other vegetables}</pre>	0.023182511	0.23529
	## [690] {other vegetable		=>	{shopping bags}	0.023182511	0.11981
	08 0.193492628 1.2160366	228		[uho]o mi]k]	0 024504221	0 24071
	## [691] {shopping bags} 00 0.098525674 0.9733637	241	=>	{whole milk}	0.024504321	0.24871
	## [692] {sausage}		=>	{bottled water}	0.011997966	0.12770
	56 0.093950178 1.1554598 ## [693] {bottled water}	118	=>	{sausage}	0.011997966	0.10855
	57 0.110523640 1.1554598	118		(Saasage)	01011337300	0110033
	## [694] {sausage}	127	=>	{tropical fruit}	0.013929842	0.14826
	84 0.093950178 1.4130036 ## [695] {tropical fruit}	137	=>	{sausage}	0.013929842	0.13275
	19 0.104931368 1.4130036	137				
	## [696] {sausage} 09 0.093950178 1.4595700	147	=>	<pre>{root vegetables}</pre>	0.014946619	0.15909
	## [697] {root vegetables		=>	{sausage}	0.014946619	0.13712
	69 0.108998475 1.4595700	147			0.004200066	0 25065
	## [698] {sausage} 80 0.093950178 1.4833245	239	=>	{soda}	0.024300966	0.25865
	## [699] {soda}		=>	{sausage}	0.024300966	0.13935
	86 0.174377224 1.4833245 ## [700] {sausage}	239		{yogurt}	0.019623793	0.20887
	45 0.093950178 1.4972889	193	-/	(yogui c)	01013023/33	012000/
	## [701] {yogurt}	100	=>	{sausage}	0.019623793	0.14067
	06 0.139501779 1.4972889	193				

## [702] {sausage}	=> {rolls/buns}	0.030604982 0.32575
76 0.093950178 1.7710480 301 ## [703] {rolls/buns}	=> {sausage}	0.030604982 0.16639
03 0.183934926 1.7710480 301 ## [704] {sausage}	=> {other vegetables}	0.026944586 0.28679
65 0.093950178 1.4822091 265 ## [705] {other vegetables}	=> {sausage}	0.026944586 0.13925
38 0.193492628 1.4822091 265 ## [706] {sausage}	=> {whole milk}	0.029893238 0.31818
18 0.093950178 1.2452520 294		
## [707] {whole milk} 16 0.255516014 1.2452520 294	=> {sausage}	0.029893238 0.11699
## [708] {bottled water} 33 0.110523640 1.5956459 182	<pre>=> {tropical fruit}</pre>	0.018505338 0.16743
## [709] {tropical fruit} 66 0.104931368 1.5956459 182	<pre>=> {bottled water}</pre>	0.018505338 0.17635
## [710] {bottled water} 43 0.110523640 1.2997827 154	<pre>=> {root vegetables}</pre>	0.015658363 0.14167
## [711] {root vegetables}	<pre>=> {bottled water}</pre>	0.015658363 0.14365
67 0.108998475 1.2997827 154 ## [712] {bottled water}	=> {soda}	0.028978139 0.26218
95 0.110523640 1.5035766 285 ## [713] {soda}	=> {bottled water}	0.028978139 0.16618
08 0.174377224 1.5035766 285 ## [714] {bottled water}	=> {yogurt}	0.022979156 0.20791
17 0.110523640 1.4903873 226		
## [715] {yogurt} 30 0.139501779 1.4903873 226	<pre>=> {bottled water}</pre>	0.022979156 0.16472
## [716] {bottled water} 12 0.110523640 1.1903734 238	=> {rolls/buns}	0.024199288 0.21895
## [717] {rolls/buns} 44 0.183934926 1.1903734 238	=> {bottled water}	0.024199288 0.13156
## [718] {bottled water} 10 0.110523640 1.1601012 244	<pre>=> {other vegetables}</pre>	0.024809354 0.22447
## [719] {other vegetables}	<pre>=> {bottled water}</pre>	0.024809354 0.12821
86 0.193492628 1.1601012 244 ## [720] {bottled water}	=> {whole milk}	0.034367056 0.31094
76 0.110523640 1.2169396 338 ## [721] {whole milk}	=> {bottled water}	0.034367056 0.13450
06 0.255516014 1.2169396 338 ## [722] {tropical fruit}	=> {root vegetables}	0.021047280 0.20058
14 0.104931368 1.8402220 207 ## [723] {root vegetables}	=> {tropical fruit}	0.021047280 0.19309
70 0.108998475 1.8402220 207	·	
## [724] {tropical fruit} 34 0.104931368 1.1391592 205	=> {soda}	0.020843925 0.19864
## [725] {soda} 35 0.174377224 1.1391592 205	<pre>=> {tropical fruit}</pre>	0.020843925 0.11953
## [726] {tropical fruit} 98 0.104931368 2.0004746 288	=> {yogurt}	0.029283172 0.27906
## [727] {yogurt}	<pre>=> {tropical fruit}</pre>	0.029283172 0.20991
25 0.139501779 2.0004746 288		

## [728] {tropical fruit} 61 0.104931368 1.2748863 24	=> {rolls/buns}	0.024605999	0.23449
## [729] {rolls/buns} 56 0.183934926 1.2748863 24	=> {tropical fruit}	0.024605999	0.13377
## [730] {tropical fruit} 43 0.104931368 1.7677896 35	<pre>=> {other vegetables}</pre>	0.035892222	0.34205
## [731] {other vegetables} 66 0.193492628 1.7677896 35	<pre>=> {tropical fruit} 3</pre>	0.035892222	0.18549
## [732] {tropical fruit} 08 0.104931368 1.5775950 41	=> {whole milk}	0.042297916	0.40310
## [733] {whole milk} 92 0.255516014 1.5775950 41	<pre>=> {tropical fruit}</pre>	0.042297916	0.16553
## [734] {root vegetables} 90 0.108998475 0.9789636 18	=> {soda} 3	0.018607016	0.17070
## [735] {soda} 55 0.174377224 0.9789636 18	<pre>=> {root vegetables} 3</pre>	0.018607016	0.10670
## [736] {root vegetables} 03 0.108998475 1.6984751 25	=> {yogurt} 1	0.025826131	0.23694
## [737] {yogurt} 12 0.139501779 1.6984751 25		0.025826131	0.18513
## [738] {root vegetables} 78 0.108998475 1.2121013 23		0.024300966	0.22294
## [739] {rolls/buns} 72 0.183934926 1.2121013 23		0.024300966	0.13211
## [740] {root vegetables} 15 0.108998475 2.2466049 46		0.047381800	0.43470
## [741] {other vegetables} 65 0.193492628 2.2466049 46		0.047381800	0.24487
## [742] {root vegetables} 40 0.108998475 1.7560310 48		0.048906965	0.44869
## [743] {whole milk} 47 0.255516014 1.7560310 48		0.048906965	0.19140
## [744] {soda} 13 0.174377224 1.1243678 26			0.15685
## [745] {yogurt} 41 0.139501779 1.1243678 26		0.027351296	
## [746] {soda} 51 0.174377224 1.1951242 37		0.038332486	0.21982
## [747] {rolls/buns} 24 0.183934926 1.1951242 37		0.038332486	
## [748] {soda} 51 0.174377224 0.9703476 32		0.032740214	
## [749] {other vegetables} 65 0.193492628 0.9703476 32		0.032740214	0.16920
## [750] {soda} 76 0.174377224 0.8991124 39		0.040061007	
## [751] {whole milk} 47 0.255516014 0.8991124 39		0.040061007	0.15678
## [752] {yogurt} 57 0.139501779 1.3393633 33		0.034367056	0.24635
## [753] {rolls/buns} 36 0.183934926 1.3393633 33	=> {yogurt} 3	0.034367056	0.18684

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	## [754] {yogurt}	<pre>=> {other vegetables}</pre>	0.043416370 0.31122
	45 0.139501779 1.6084566 427 ## [755] {other vegetables}	=> {yogurt}	0.043416370 0.22438
	26 0.193492628 1.6084566 427	(yogan cy	01013110370 0122130
	## [756] {yogurt}	=> {whole milk}	0.056024403 0.40160
	35 0.139501779 1.5717351 551	()	0.0500044000.04005
	## [757] {whole milk} 98 0.255516014 1.5717351 551	=> {yogurt}	0.056024403 0.21925
	## [758] {rolls/buns}	<pre>=> {other vegetables}</pre>	0.042602949 0.23161
	97 0.183934926 1.1970465 419	(other regulation)	01012002313 0123101
	## [759] {other vegetables}	=> {rolls/buns}	0.042602949 0.22017
	87 0.193492628 1.1970465 419	() 7 () 11 (0.0566044600.00700
	## [760] {rolls/buns} 49 0.183934926 1.2050318 557	=> {whole milk}	0.056634469 0.30790
	## [761] {whole milk}	=> {rolls/buns}	0.056634469 0.22164
	74 0.255516014 1.2050318 557	(. 6 445, 245)	0.0000000
	## [762] {other vegetables}	=> {whole milk}	0.074834774 0.38675
	78 0.193492628 1.5136341 736	6.4	
	## [763] {whole milk} 70 0.255516014 1.5136341 736	<pre>=> {other vegetables}</pre>	0.074834774 0.29287
	70 0.255516014 1.5136341 736 ## [764] {oil,		
	## other vegetables}	=> {whole milk}	0.005083884 0.51020
	41 0.009964413 1.9967597 50		
	## [765] {oil,		
	## whole milk}	<pre>=> {other vegetables}</pre>	0.005083884 0.45045
	05 0.011286223 2.3279980 50 ## [766] {onions,		
	## root vegetables}	<pre>=> {other vegetables}</pre>	0.005693950 0.60215
	05 0.009456024 3.1120076 56	•	
	## [767] {onions,		
	## other vegetables}	<pre>=> {root vegetables}</pre>	0.005693950 0.40000
	00 0.014234875 3.6697761 56 ## [768] {other vegetables,		
	## root vegetables}	=> {onions}	0.005693950 0.12017
	17 0.047381800 3.8750440 56		
	## [769] {onions,		
	## other vegetables}	=> {whole milk}	0.006609049 0.46428
	57 0.014234875 1.8170513 65 ## [770] {onions,		
	## whole milk}	<pre>=> {other vegetables}</pre>	0.006609049 0.54621
	85 0.012099644 2.8229421 65	•	
	## [771] {hamburger meat,		
	## other vegetables}	=> {whole milk}	0.006304016 0.45588
	24 0.013828165 1.7841635 62 ## [772] {hamburger meat,		
	## whole milk}	<pre>=> {other vegetables}</pre>	0.006304016 0.42758
	62 0.014743264 2.2098320 62	-	
	## [773] {hygiene articles,		
	## other vegetables}	=> {whole milk}	0.005185562 0.54255
	32 0.009557702 2.1233628 51 ## [774] {hygiene articles,		
	## whole milk}	=> {other vegetables}	0.005185562 0.40476
		(0 1 - go -u.u -u-u,	

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19	0.012811388 2.0918725	51				
	[775] {other vegetables	,				
##	5		=>	{whole milk}	0.006304016	0.58490
	0.010777834 2.2891155	62				
	[776] {sugar,			6.4		
##		60	=>	<pre>{other vegetables}</pre>	0.006304016	0.41891
	0.015048297 2.1650381	62				
	[777] {long life bakery	•		6.1.3		
##			=>	{whole milk}	0.005693950	0.53333
	0.010676157 2.0872795	56				
	[778] {long life bakery	product,		(a+ba-+-b1)	0.00000000	0 42105
##		F.C	=>	{other vegetables}	0.005693950	0.42105
	0.013523132 2.1760655	56				
	[779] {cream cheese,			{other vegetables}	0 005207220	0 42622
## 05	yogurt} 0.012404677 2.2028204	52	=>	{other vegetables}	0.005287239	0.42022
	[780] {cream cheese,	J2				
##	· · · · · · · · · · · · · · · · · · ·	ι		{yogurt}	0.005287239	A 30510
	0.013726487 2.7611489	52		(yogur t)	0.003207239	0.30310
	[781] {other vegetables					
##		,	=>	{cream cheese}	0.005287239	0.12177
	0.043416370 3.0710383	52		(cream cheese)	01003207233	0112177
	[782] {cream cheese,	32				
##	_		=>	{whole milk}	0.006609049	0.53278
	0.012404677 2.0851409	65		(mio co mizero)	0100000000	0133270
	[783] {cream cheese,					
##			=>	{yogurt}	0.006609049	0.40123
	0.016471784 2.8761968	65				
##	[784] {whole milk,					
##			=>	{cream cheese}	0.006609049	0.11796
73	0.056024403 2.9748941	65				
##	[785] {cream cheese,					
##	other vegetables	}	=>	{whole milk}	0.006710727	0.48888
89	0.013726487 1.9133395	66				
##	[786] {cream cheese,					
##	whole milk}		=>	{other vegetables}	0.006710727	0.40740
74	0.016471784 2.1055449	66				
	[787] {chicken,					
##	3		=>	{other vegetables}	0.005693950	0.52336
	0.010879512 2.7048291	56				
	[788] {chicken,					
##			=>	<pre>{root vegetables}</pre>	0.005693950	0.31818
	0.017895272 2.9191401	56				
	[789] {other vegetables	•			0.00500005	0.40047
##	.	FC	=>	{chicken}	0.005693950	0.12017
	0.047381800 2.8006834	56				
	[790] {chicken,			(whole milk)	0 00500000	0 EE140
10	•	EO	=>	{whole milk}	0.005998983	0.55140
	0.010879512 2.1579934	59				
##	<pre>[791] {chicken, whole milk}</pre>			{root vegetables}	0.005998983	0.34104
	0.017590239 3.1288554	59	->	(1001 vegetables)	COEORECOM • 0	0.34104
(AL		17				

3124, 3.	T/ 1 IVI			Association rule infilling		
	[792] {root vegetables,		. r.	المعادة المعادة	0 00500000	0 12266
##			=> {(chicken}	0.005998983	0.12266
	0.048906965 2.8587018	59				
	[793] {chicken,	_	r.	الماء مناليا	0 005207220	0 54726
##			=> {\	whole milk}	0.005287239	0.54/30
	0.009659380 2.1422079	52				
	[794] {chicken,			malla/humal	0.005287239	0 20057
##	whole milk} 0.017590239 1.6341542		=> {	rolls/buns}	0.005267259	0.30037
		52				
	[795] {chicken,	1	. r.	المام المام	0.000420240	0 47150
##	other vegetables 0.017895272 1.8456413		=> {\	whole milk}	0.008439248	0.4/159
		83				
	[796] {chicken,	_		ather vegetables	0.008439248	0.47976
##	whole milk} 0.017590239 2.4795197	83	=> {(other vegetables}	0.000439240	0.4/9/0
	<pre>[797] {other vegetables, whole milk}</pre>			shi skanl	0 000420240	0 11277
17	0.074834774 2.6282229		=> {(chicken}	0.008439248	0.11277
		83				
	[798] {other vegetables		r.	الماء مناليا	0 005007206	0 42062
##	white bread} 0.013726487 1.6814196	58	=> {\	whole milk}	0.005897306	0.42962
		36				
##	<pre>[799] {white bread, whole milk}</pre>	_	[,	other vegetables}	0.005897306	0 24522
	0.017081851 1.7842442	58	-/ \(other vegetables;	0.002097300	0.34323
		36				
##	[800] {chocolate, soda}	_	_~ \	whole milk}	0.005083884	0 27502
	0.013523132 1.4712966	50	-/ \v	who te mitky	0.0000004	0.37393
	[801] {chocolate,	30				
##	· _	_	\	soda}	0.005083884	0 20107
	0.016675140 1.7483823	50	-/ \:	souar	0.0000004	0.30407
	[802] {soda,	96				
##		_	\	chocolate}	0.005083884	0.12690
	0.040061007 2.5575747	50	((chocotate	0.003003004	0.12090
	[803] {chocolate,	30				
##	•	. -	-> {/	whole milk}	0.005490595	0 43200
	0.012709710 1.6906964	54	(V	and to mitter	01000700090	3173200
	[804] {chocolate,	J-1				
##		=	=> {(other vegetables}	0.005490595	0.32926
	0.016675140 1.7017098	54	٠ (١	James Tagarabica	01000-00000	3.32320
	[805] {coffee,					
##		<u> </u>	=> {/	whole milk}	0.005083884	0.52083
	0.009761057 2.0383589	50		20 21()	2.0000000	3.32003
	[806] {coffee,	- •				
##	· ·	=	=> {\	yogurt}	0.005083884	0.27173
	0.018708693 1.9479259	50	• ,	, - 5		3 · - · · ·
	[807] {coffee,	- -				
##	· · · · · · · · · · · · · · · · · · ·	} :	=> {\	whole milk}	0.006405694	0.47727
	0.013421454 1.8678779	, 63		-		
	[808] {coffee,					
##	•	=	=> {(other vegetables}	0.006405694	0.34239
	0.018708693 1.7695315	63				
	[809] {frozen vegetables	5,				
		•				

312	4, 5:4	F/ PMI	Association rule mining	
	##	root vegetables} 0.011591256 2.7200819 60	=> {other vegetables} 0.006100661	0.52631
		[810] {frozen vegetables,		
	##	other vegetables}	=> {root vegetables} 0.006100661	0.34285
		0.017793594 3.1455224 60	-> {100t vegetables} 0.000100001	0.34263
		[811] {other vegetables,		
	##	root vegetables}	=> {frozen vegetables} 0.006100661	0.12875
		0.047381800 2.6771861 60	=> (1102cm vegetables) 0.000100001	0.12075
		[812] {frozen vegetables,		
	##	root vegetables}	=> {whole milk} 0.006202339	0.53508
		0.011591256 2.0941455 61	-> /MIIO (G III T (V)	0.33300
		[813] {frozen vegetables,		
	##	whole milk}	=> {root vegetables} 0.006202339	0.30348
		0.020437214 2.7842829 61	-> {100t vegetables} 0.000202559	0.30340
		[814] {root vegetables,		
	##	whole milk}	=> {frozen vegetables} 0.006202339	0.12681
		0.048906965 2.6369262 61	=> (1102cm vegetables) 0.000202559	0.12001
		[815] {frozen vegetables,		
	##	yogurt}	=> {other vegetables} 0.005287239	0.42622
		0.012404677 2.2028204 52	-> {Other vegetables} 0:003207239	0.42022
		[816] {frozen vegetables,		
	##	other vegetables}	=> {yogurt} 0.005287239	0.29714
		0.017793594 2.1300292 52	-> (yogunt) 0:003207239	0.29/14
		[817] {other vegetables,		
	##	yogurt}	=> {frozen vegetables} 0.005287239	0.12177
		0.043416370 2.5321457 52	-> {1102eii Vegetabtes} 0:003207239	0.12177
		[818] {frozen vegetables,		
	##	yogurt}	=> {whole milk} 0.006100661	0.49180
		0.012404677 1.9247454 60	-> (wild to mitth) 0.000100001	0.49100
		[819] {frozen vegetables,		
	##	whole milk}	=> {yogurt} 0.006100661	0.29850
		0.020437214 2.1398111 60	-> {yogunt}	0.29030
		[820] {whole milk,		
	##	yogurt}	=> {frozen vegetables} 0.006100661	0.10889
		0.056024403 2.2641900 60	=> (1102cm vegetables) 0.000100001	0.10009
	29 ##	[821] {frozen vegetables,		
	##	rolls/buns}	=> {whole milk} 0.005083884	0.50000
		0.010167768 1.9568245 50	> (MILO CC III EIV) 010000004	313000
		[822] {frozen vegetables,		
	##	whole milk}	=> {rolls/buns} 0.005083884	0.24875
		0.020437214 1.3524143 50	=> (10 c cs/ buils)	0124075
		[823] {frozen vegetables,		
	##	other vegetables}	=> {whole milk} 0.009659380	0.54285
		0.017793594 2.1245523 95	- (miloto mitth) 01000000000	0137203
		[824] {frozen vegetables,		
	##	whole milk}	=> {other vegetables} 0.009659380	0.47263
		0.020437214 2.4426606 95	(0 that regulation) 0100000000000000000000000000000000000	3.17203
		[825] {other vegetables,		
	##	whole milk}	=> {frozen vegetables} 0.009659380	0.12907
		0.074834774 2.6838548 95	viological regulation, viological	0.12007
		[826] {beef,		
	##	root vegetables}	=> {other vegetables} 0.007930859	0.45614
		. col regulation	(0.1.1. 1.390.00.55	J. 15011

וכ	27, 3.7	7 1 1 1 1 1 1			Association fulc mining		
	04	0.017386884 2.3574043	78				
		[827] {beef,					
		other vegetables	-	=>	{root vegetables}	0.007930859	0.40206
			78				
		[828] {other vegetables,					
		root vegetables}		=>	{beef}	0.007930859	0.16738
			78				
		[829] {beef,					
		root vegetables}		=>	{whole milk}	0.008032537	0.46198
			79				
		[830] {beef,					
		whole milk}		=>	{root vegetables}	0.008032537	0.37799
			79				
	##	[831] {root vegetables,					
	##	·		=>	{beef}	0.008032537	0.16424
			79				
		[832] {beef,					
		yogurt}		=>	{other vegetables}	0.005185562	0.44347
		0.011692933 2.2919646	51				
		[833] {beef,					
		other vegetables		=>	{yogurt}	0.005185562	0.26288
			51				
		[834] {other vegetables,					
		yogurt}		=>	{beef}	0.005185562	0.11943
		0.043416370 2.2764964	51				
	##	[835] {beef,					
	##	yogurt}		=>	{whole milk}	0.006100661	0.52173
		0.011692933 2.0419038	60				
		[836] {beef,					
	##	whole milk}		=>	{yogurt}	0.006100661	0.28708
		0.021250635 2.0579045	60				
		[837] {whole milk,			_		
	##	yogurt}		=>	{beef}	0.006100661	0.10889
		0.056024403 2.0755075	60				
		[838] {beef,					
	##	rolls/buns}		=>	{other vegetables}	0.005795628	0.42537
		0.013624809 2.1983945	57				
		[839] {beef,					
	##	other vegetables		=>	{rolls/buns}	0.005795628	0.29381
		0.019725470 1.5973825	57				
		[840] {other vegetables,			(1	0.00570500	0.40000
	##	rolls/buns}		=>	{beef}	0.005795628	0.13603
		0.042602949 2.5928984	57				
		[841] {beef,				0.00000	
	##	rolls/buns}	67	=>	{whole milk}	0.006812405	0.50000
		0.013624809 1.9568245	67				
		[842] {beef,			(11 - ()	0.000010105	0 22257
	##	whole milk}	67	=>	{rolls/buns}	0.006812405	0.32057
		0.021250635 1.7428673	67				
		[843] {rolls/buns,			(haaf)	0.000010105	0 12020
	##	whole milk}	C7	=>	{beef}	0.006812405	0.12028
	/3	0.056634469 2.2926844	67				

.5127, 5.	T/ 1 1V1				Association rule mining		
##	[844]	{beef,					
##		other vegetables	+	=>	{whole milk}	0.009252669	0.46907
			91				
##	[845]	{beef.					
##		whole milk}		=>	{other vegetables}	0.009252669	0.43540
			91			0.000_0_00	
		{other vegetables,					
		whole milk}	1		{beef}	0.009252669	0.12364
##			0.1	=>	{bee1}	0.009252009	0.12304
			91				
##	[847]	•					
##		whipped/sour crea		=>	{whole milk}	0.005897306	0.56310
68	0.01047	2801 2.2038024	58				
##	[848]	{curd,					
##		whole milk}		=>	<pre>{whipped/sour cream}</pre>	0.005897306	0.22568
09	0.02613	1164 3.1483291	58				
##	[849]	{whipped/sour crea	am,				
##		whole milk}	•	=>	{curd}	0.005897306	0.18296
		1825 3.4340911	58				
	[850]		30				
##		tropical fruit}			{yogurt}	0.005287239	0 51/185
		9446 3.6906446	52		(yogur t)	01003207233	0.51405
			32				
	[851]	•			(transac) fruit)	0 005207220	A 20E00
##		yogurt}	F.2	=>	{tropical fruit}	0.005287239	0.30388
		5206 2.9150707	52				
		{tropical fruit,					
##		yogurt}		=>	{curd}	0.005287239	0.18055
		3172 3.3888624	52				
##	[853]	{curd,					
##		tropical fruit}		=>	<pre>{other vegetables}</pre>	0.005287239	0.51485
15	0.01026	9446 2.6608326	52				
##	[854]	{curd,					
##		other vegetables}	+	=>	{tropical fruit}	0.005287239	0.30769
23	0.01718	3528 2.9323196	52				
##	[855]	{other vegetables,					
##		tropical fruit}		=>	{curd}	0.005287239	0.14730
88	0.03589	2222 2.7648509	52				
	[856]						
##		tropical fruit}		=>	{whole milk}	0.006507372	0.63366
		9446 2.4799360	64	-	Company of the control of the contro	1100000,5,2	1.0000
	[857]		.				
##		whole milk}			{tropical fruit}	0.006507372	0.24902
		1164 2.3732392	64	->	(CLOPICAL HUILS	⊍. ₩₩₩₩₩	V . 24902
			U4				
		{tropical fruit,			[aund]	0 000507373	0 15304
##		whole milk}	C 4	=>	{curd}	0.006507372	₽. 15384
		7916 2.8875514	64				
	[859]	•					
##		root vegetables}		=>	{other vegetables}	0.005490595	0.50467
		9512 2.6082280	54				
##	[860]	•					
##		other vegetables	+	=>	<pre>{root vegetables}</pre>	0.005490595	0.31952
66	0.01718	3528 2.9314780	54				
##	[861]	{other vegetables,	,				
		-					

L	/2 - , J	7 1 1 1 1 1			Association rule mining		
	##			=>	{curd}	0.005490595	0.11587
		0.047381800 2.1749582	54				
	##	[862] {curd,					
	##	root vegetables}		=>	{whole milk}	0.006202339	0.57009
	35	0.010879512 2.2311457	61				
	##	[863] {curd,					
	##	whole milk}		=>	<pre>{root vegetables}</pre>	0.006202339	0.23735
	41	0.026131164 2.1775909	61				
	##	[864] {root vegetables,					
	##	whole milk}		=>	{curd}	0.006202339	0.12681
	91	0.048906965 2.3802788	61				
	##	[865] {curd,					
	##	yogurt}		=>	{other vegetables}	0.006100661	0.35294
	12	0.017285206 1.8240549	60				
	##	[866] {curd,					
	##	other vegetables]	+	=>	{yogurt}	0.006100661	0.35502
	96	0.017183528 2.5449825	60				
	##	[867] {other vegetables,					
	##	yogurt}		=>	{curd}	0.006100661	0.14051
	52	0.043416370 2.6373420	60				
	##	[868] {curd,					
	##	yogurt}		=>	{whole milk}	0.010066090	0.58235
	29	0.017285206 2.2791250	99				
	##	[869] {curd,					
	##	whole milk}		=>	{yogurt}	0.010066090	0.38521
	40	0.026131164 2.7613555	99				
	##	[870] {whole milk,					
	##	yogurt}		=>	{curd}	0.010066090	0.17967
	33	0.056024403 3.3723037	99				
	##	[871] {curd,					
	##	rolls/buns}		=>	<pre>{whole milk}</pre>	0.005897306	0.58585
	86	0.010066090 2.2928449	58				
	##	[872] {curd,					
	##	whole milk}		=>	<pre>{rolls/buns}</pre>	0.005897306	0.22568
	09	0.026131164 1.2269607	58				
	##	[873] {rolls/buns,					
	##	whole milk}		=>	{curd}	0.005897306	0.10412
		0.056634469 1.9544109	58				
	##	[874] {curd,					
	##	other vegetables	+	=>	{whole milk}	0.009862735	0.57396
	45	0.017183528 2.2462956	97				
	##	[875] {curd,					
	##	whole milk}		=>	{other vegetables}	0.009862735	0.37743
		0.026131164 1.9506268	97				
		[876] {other vegetables,					
	##	whole milk}		=>	{curd}	0.009862735	0.13179
		0.074834774 2.4736429	97				
		[877] {napkins,			6.1.3	0.0000000	0 40===
	##	yogurt}		=>	{whole milk}	0.006100661	0.49586
		0.012302999 1.9406524	60				
		[878] {napkins,			(0.000100001	0 20007
	##	whole milk}		=>	{yogurt}	0.006100661	0.30927

5127, 5	7/11/1			Association rule mining		
84	0.019725470 2.2170208	60				
##	[879] {whole milk,					
##	yogurt}		=>	{napkins}	0.006100661	0.10889
29	0.056024403 2.0795376	60				
##	[880] {napkins,					
##	rolls/buns}		=>	{whole milk}	0.005287239	0.45217
39	0.011692933 1.7696500	52				
##	[881] {napkins,					
##	whole milk}		=>	{rolls/buns}	0.005287239	0.26804
12	0.019725470 1.4572612	52				
##	[882] {napkins,					
##	other vegetables	}	=>	{whole milk}	0.006812405	0.47183
10	0.014438231 1.8465809	67				
##	[883] {napkins,					
##	whole milk}		=>	<pre>{other vegetables}</pre>	0.006812405	0.34536
08	0.019725470 1.7848785	67		-		
##	[884] {pork,					
	root vegetables}		=>	{other vegetables}	0.007015760	0.51492
	0.013624809 2.6612144	69				
	[885] {other vegetables	_				
##		•	=>	<pre>{root vegetables}</pre>	0.007015760	0.32394
37	0.021657346 2.9720018	69				
	[886] {other vegetables					
	root vegetables}	•	=>	{pork}	0.007015760	0.14806
	0.047381800 2.5683516	69			0100/020/00	012.000
	[887] {pork,					
##	• • •		=>	{whole milk}	0.006812405	0.50000
	0.013624809 1.9568245	67		(cc c)		
	[888] {pork,					
##			=>	<pre>{root vegetables}</pre>	0.006812405	0.30733
	0.022165735 2.8196674	67		(
	[889] {root vegetables,	0.				
##			=>	{pork}	0.006812405	0.13929
	0.048906965 2.4161341	67		(polity)	0.000012.00	0.15525
	[890] {pork,	0,				
##			=>	{other vegetables}	0.005592272	0.49549
	0.011286223 2.5607978	55	-	(other vegetables)	01003332272	01 133 13
	[891] {other vegetables					
##			=>	<pre>{rolls/buns}</pre>	0.005592272	0.25821
	0.021657346 1.4038441	55		(. 6 (6 , 2 6)		0120022
	[892] {other vegetables					
##		•	=>	{pork}	0.005592272	0.13126
	0.042602949 2.2768791	55	-	(por K)	0.005552272	0.13120
	[893] {pork,	33				
##	•		=>	{whole milk}	0.006202339	0.54954
	0.011286223 2.1507441	61		(o co mirch)	0.000202333	3137337
	[894] {pork,	J-				
##	•		=>	{rolls/buns}	0.006202339	0.27981
	0.022165735 1.5212799	61		(. 5 c c 5 / 5 d i 5)	0.000202333	312/301
	[895] {rolls/buns,	91				
##	<u> </u>		->	{pork}	0.006202339	0 10051
	0.056634469 1.8996166	61		(601 1/3	01000202333	0.10371
"	0.000007409 1.0990100	01				

JI 27, J.	T/ 1 IVI		Association rule mining		
	[896] {other vegetables,				
##	•		> {whole milk}	0.010167768	0.46948
		100			
	[897] {pork,		f	0.040467760	0 45074
##			<pre>> {other vegetables}</pre>	0.010167768	0.458/1
		100			
	[898] {other vegetables,		. (namb)	0.010167760	0 13500
##			> {pork}	0.010167768	0.13586
		100			
	[899] {frankfurter,	_	. (wholo milk)	0 005105560	0 E4020
71	tropical fruit} 0.009456024 2.1461946	51	> {whole milk}	0.005185562	W.34030
	[900] {frankfurter,	31			
##		_	> {tropical fruit}	0.005185562	0.25247
	0.020538892 2.4060989	51	> (tropical fruit)	0.003103302	0.23247
	[901] {tropical fruit,	31			
##	·	=	> {frankfurter}	0.005185562	0.12259
	0.042297916 2.0788503	51	- (Traincratter)	01003103302	0112233
	[902] {frankfurter,	31			
##		=	> {whole milk}	0.005083884	0.50000
	0.010167768 1.9568245	50	(who ce milen)	01003003001	0130000
	[903] {frankfurter,				
##		=	> {root vegetables}	0.005083884	0.24752
	0.020538892 2.2709011	50	.		
	[904] {root vegetables,				
##		=	> {frankfurter}	0.005083884	0.10395
01	0.048906965 1.7626712	50			
##	[905] {frankfurter,				
##	yogurt}	=	> {whole milk}	0.006202339	0.55454
55	0.011184545 2.1702963	61			
##	[906] {frankfurter,				
##	whole milk}	=	> {yogurt}	0.006202339	0.30198
02	0.020538892 2.1647050	61			
##	•				
##	, ,		> {frankfurter}	0.006202339	0.11070
	0.056024403 1.8772608	61			
##	-				
##	· -		<pre>> {other vegetables}</pre>	0.005592272	0.29100
	0.019217082 1.5039606	55			
	[909] {frankfurter,				
##	3		> {rolls/buns}	0.005592272	U.33950
	0.016471784 1.8457950	55			
##			> {frankfurter}	0 005502272	0 12126
40	rolls/buns} 0.042602949 2.2258456	= 55	∕ lilalikiui tel}	0.005592272	A: T2T70
	[911] {frankfurter,	JJ			
##	·	_	> {whole milk}	0.005998983	0.31216
	0.019217082 1.2217211	59	- [MIOCO IIIICK]	010003330303	0.01710
##					
##		=	> {rolls/buns}	0.005998983	0.29207
	0.020538892 1.5879486	59	[. o c to, build]	2.003333333	3.25207
	[913] {rolls/buns,				
""	2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2				

5/27, 5.7/ 111	Association full mining	
## whole milk}	<pre>=> {frankfurter}</pre>	0.005998983 0.10592
46 0.056634469 1.7961524 59		
## [914] {frankfurter,		
## other vegetables}	=> {whole milk}	0.007625826 0.46296
30 0.016471784 1.8118745 75		
## [915] {frankfurter,		
## whole milk}	<pre>=> {other vegetables}</pre>	0.007625826 0.37128
71 0.020538892 1.9188696 75		
## [916] {other vegetables,		
## whole milk}	<pre>=> {frankfurter}</pre>	0.007625826 0.10190
22 0.074834774 1.7279446 75		
## [917] {bottled beer,		
## bottled water}	=> {soda}	0.005083884 0.32258
06 0.015760041 1.8499013 50		
## [918] {bottled beer,		
## soda}	=> {bottled water}	0.005083884 0.29940
12 0.016980173 2.7089336 50		
## [919] {bottled water,		
## soda}	<pre>=> {bottled beer}</pre>	0.005083884 0.17543
86 0.028978139 2.1785841 50		
## [920] {bottled beer,		
## bottled water}	=> {whole milk}	0.006100661 0.38709
68 0.015760041 1.5149609 60		
## [921] {bottled beer,		
## whole milk}	<pre>=> {bottled water}</pre>	0.006100661 0.29850
75 0.020437214 2.7008472 60		
## [922] {bottled water,		
## whole milk}	<pre>=> {bottled beer}</pre>	0.006100661 0.17751
48 0.034367056 2.2043661 60		
## [923] {bottled beer,	6.1.3	0.005405500 0.50040
## yogurt}	=> {whole milk}	0.005185562 0.56043
96 0.009252669 2.1933637 51		
## [924] {bottled beer,	(0.005405562 0.25272
## whole milk}	=> {yogurt}	0.005185562 0.25373
13 0.020437214 1.8188395 51		
<pre>## [925] {bottled beer, ## rolls/buns}</pre>	=> {whole milk}	0 005200017 0 20552
## rolls/buns} 24 0.013624809 1.5479358 53	-/ \wildie mitck}	0.005388917 0.39552
## [926] {bottled beer,		
## whole milk}	=> {rolls/buns}	0.005388917 0.26368
16 0.020437214 1.4335591 53	=> (10 cts/bulls)	0.003360917 0.20306
## [927] {bottled beer,		
## other vegetables}	=> {whole milk}	0.007625826 0.47169
81 0.016166751 1.8460609 75	-> (whole milk)	0.007023020 0.47103
## [928] {bottled beer,		
## whole milk}	<pre>=> {other vegetables}</pre>	0.007625826 0.37313
43 0.020437214 1.9284162 75	[other regulation]	0.00.020020 0.0.013
## [929] {other vegetables,		
## whole milk}	=> {bottled beer}	0.007625826 0.10190
22 0.074834774 1.2654140 75	(2011102 200.)	313130000000000000000000000000000000000
## [930] {brown bread,		
## tropical fruit}	=> {whole milk}	0.005693950 0.53333
		111111111111111111111111111111111111111

3/24, 3:	4 / PM		As	sociation rule mining		
33	0.010676157 2.0872795	56				
##	[931] {brown bread,					
##	whole milk}		=> {trop:	ical fruit}	0.005693950	0.22580
65	0.025216065 2.1519442	56				
##	[932] {tropical fruit,					
##	whole milk}		=> {brown	n bread}	0.005693950	0.13461
54	0.042297916 2.0751447	56				
##	[933] {brown bread,					
##			=> {whole	e milk}	0.005693950	0.56000
	0.010167768 2.1916435	56	(
	[934] {brown bread,					
##			=> {root	vegetables}	0.005693950	0.22580
	0.025216065 2.0716478	56	-> (1001	vegetables,	01003033330	0122300
	[935] {root vegetables,	30				
##	· · · · · · · · · · · · · · · · · · ·		=> {brown	hroadl	0.005693950	0 11642
	0.048906965 1.7947197	56	-/ \DIOWI	i breau,	0.000093930	0.11042
	[936] {brown bread,	30				
	•		المطاري .		0.00500004	0 40222
##	soda} 0.012608033 1.5780843	E O	=> {whole	s MITCK}	0.005083884	0.40322
		50				
	[937] {brown bread,		. (1-1		0.005000004	0 20161
##	•		=> {soda}	ł	0.005083884	0.20161
	0.025216065 1.1561883	50				
	[938] {soda,		٠.			
##			=> {brown	n bread}	0.005083884	0.12690
	0.040061007 1.9562640	50				
	[939] {brown bread,					
##	, ,		=> {other	r vegetables}	0.005185562	0.35664
	0.014539908 1.8431883	51				
##	[940] {brown bread,					
##	3	}	=> {yogu	rt}	0.005185562	0.27717
39	0.018708693 1.9868844	51				
##	[941] {other vegetables	,				
##	yogurt}		=> {brown	n bread}	0.005185562	0.11943
79	0.043416370 1.8411789	51				
##	[942] {brown bread,					
##	yogurt}		=> {whole	e milk}	0.007117438	0.48951
05	0.014539908 1.9157723	70				
##	[943] {brown bread,					
##	whole milk}		=> {yogu	rt}	0.007117438	0.28225
81	0.025216065 2.0233295	70				
##	[944] {whole milk,					
##	yogurt}		=> {brown	n bread}	0.007117438	0.12704
17	0.056024403 1.9583943	70				
	[945] {brown bread,					
##			=> {whole	e milk}	0.005287239	0.41935
	0.012608033 1.6412077	52		-		
	[946] {brown bread,					
##			=> {rolls	s/buns}	0.005287239	0.20967
	0.025216065 1.1399544	52	,	· -		
	[947] {brown bread,					
##	[] [] [] [] [] [] [] [] [] []					
	other vegetables	}	=> {whole	e milk}	0.009354347	0.50000
##	other vegetables 0.018708693 1.9568245	} 92	=> {whole	e milk}	0.009354347	0.50000

5127, 5.	77 1 141		Association fulc mining		
	[948] {brown bread,				
##	-		<pre>> {other vegetables}</pre>	0.009354347	0.37096
		92			
##	[949] {other vegetables,				
##	whole milk}		> {brown bread}	0.009354347	0.12500
		92			
##	[950] {domestic eggs,				
##	3		> {whole milk}	0.005185562	0.62195
		51			
##	[951] {margarine,				
##	whole milk}		<pre>> {domestic eggs}</pre>	0.005185562	0.21428
		51			
##	[952] {domestic eggs,				
##	whole milk}		<pre>> {margarine}</pre>	0.005185562	0.17288
		51			
##	[953] {margarine,				
##	root vegetables}	=	<pre>> {other vegetables}</pre>	0.005897306	0.53211
		58			
##	[954] {margarine,				
##	other vegetables}		<pre>> {root vegetables}</pre>	0.005897306	0.29896
		58			
	[955] {other vegetables,				
##	root vegetables}		> {margarine}	0.005897306	0.12446
		58			
	[956] {margarine,				
##	yogurt}		<pre>> {other vegetables}</pre>	0.005693950	0.40000
		56			
	[957] {margarine,				
##	other vegetables}		> {yogurt}	0.005693950	0.28865
		56			
	[958] {other vegetables,				
##	yogurt}		> {margarine}	0.005693950	0.13114
	0.043416370 2.2392987	56			
##	,		6.1.7		
##	yogurt}		> {whole milk}	0.007015760	0.49285
		69			
	[960] {margarine,		(a	0 007045760	0 20004
##	whole milk}		> {yogurt}	0.007015760	0.28991
		69			
	[961] {whole milk,		(managarán a)	0 007015760	0 10500
##	yogurt}		> {margarine}	0.007015760	0.12522
		69			
##	•		(atham wasatahlas)	0 005105560	0 25172
##	rolls/buns}		<pre>> {other vegetables}</pre>	0.005185562	0.35172
		51			
	[963] {margarine,	_	> {rolls/buns}	0 005105562	a 26200
##	other vegetables} 0.019725470 1.4292370	· =: 51	> \IOCUS/DUNS}	0.005185562	0.26288
h h	0.012/574/0 T.4525/0				
	[064] Jothan vasatahlas				
##	,		[margarino]	0 005105562	A 12171
##	rolls/buns}	=:	> {margarine}	0.005185562	0.12171
## ## 84	rolls/buns}		> {margarine}	0.005185562	0.12171

3/	24, 5:4	-/ PIVI		Association rule mining		
	##	rolls/buns}	=>	· {whole milk}	0.007930859	0.53793
	10	0.014743264 2.1052733	' 8			
	##	[966] {margarine,				
	##	whole milk}	=>	· {rolls/buns}	0.007930859	0.32773
	11	0.024199288 1.7817774	' 8			
	##	[967] {rolls/buns,				
	##	whole milk}	=>	· {margarine}	0.007930859	0.14003
	59	0.056634469 2.3910645	' 8			
	##	[968] {margarine,				
	##	other vegetables}	=>	· {whole milk}	0.009252669	0.46907
	22	0.019725470 1.8357838	91			
	##	[969] {margarine,				
	##	whole milk}	=>	· {other vegetables}	0.009252669	0.38235
	29	0.024199288 1.9760595	91			
	##	[970] {other vegetables,				
	##	whole milk}	=>	· {margarine}	0.009252669	0.12364
	13	0.074834774 2.1111323	91			
	##	[971] {butter,				
	##	<pre>domestic eggs}</pre>	=>	· {whole milk}	0.005998983	0.62105
	26	0.009659380 2.4305820	59			
	##	[972] {butter,				
	##	whole milk}		· {domestic eggs}	0.005998983	0.21771
	22	0.027554652 3.4314091	59			
	##	[973] {domestic eggs,				
	##	whole milk}	=>	· {butter}	0.005998983	0.20000
	00	0.029994916 3.6091743	59			
	##	[974] {butter,				
	##	whipped/sour cream	1} =>	· {other vegetables}	0.005795628	0.57000
	00	0.010167768 2.9458487	57			
	##	[975] {butter,				
	##	other vegetables}	=>	· {whipped/sour cream}	0.005795628	0.28934
	01	0.020030503 4.0363970	57			
	##	[976] {other vegetables,				
	##	whipped/sour cream	1} =>	· {butter}	0.005795628	0.20070
	42	0.028876462 3.6218827	57			
	##	[977] {butter,				
	##	whipped/sour cream	1} =>	· {whole milk}	0.006710727	0.66000
			56			
	##	[978] {butter,				
	##	whole milk}	=>	· {whipped/sour cream}	0.006710727	0.24354
	24	0.027554652 3.3975033	56			
		[979] {whipped/sour cream	-			
	##	whole milk}		· {butter}	0.006710727	0.20820
			56			
		[980] {butter,				
	##	citrus fruit}		· {whole milk}	0.005083884	0.55555
			50			
	##	[981] {butter,				
	##	whole milk}	=>	· {citrus fruit}	0.005083884	0.18450
			50			
	##	[982] {citrus fruit,				
	##	whole milk}	=>	· {butter}	0.005083884	0.16666

 24, 3.47 I WI				Association rule mining		
67 0.030	503305 3.0076453	50				
## [983]	{bottled water,					
##	butter}		=>	<pre>{whole milk}</pre>	0.005388917	0.60227
	947636 2.3570841	53				
	{butter,					
##	whole milk}		=>	{bottled water}	0.005388917	0.19557
	554652 1.7695034	53				
	{bottled water,					
	whole milk}		=>	{butter}	0.005388917	0.15680
	367056 2.8296781	53				
	{butter,					
	tropical fruit}		=>	{other vegetables}	0.005490595	0.55102
	964413 2.8477592	54				
	{butter,	_				
	other vegetables		=>	{tropical fruit}	0.005490595	0.27411
	030503 2.6122949	54				
	{other vegetables	,				
	tropical fruit}		=>	{butter}	0.005490595	0.15297
	892222 2.7605583	54				
	{butter,			(1 112	0.000000000	0. 600.44
	tropical fruit}	64	=>	{whole milk}	0.006202339	0.62244
	964413 2.4360468	61				
	{butter,			f	0.000000000	0 22500
	whole milk}	64	=>	{tropical fruit}	0.006202339	0.22509
	554652 2.1451379	61				
	{tropical fruit,			6 1		0.44660
##	whole milk}	61	=>	{butter}	0.006202339	0.14663
	297916 2.6461494	61				
	{butter,			(athanartahlar)	0.00000000	A F1101
##	root vegetables}		=>	{other vegetables}	0.006609049	0.51181
	913066 2.6451190	65				
## [993]	{butter,	1		(mast variables)	0.00000000	0.22004
##	other vegetables		=>	<pre>{root vegetables}</pre>	0.006609049	0.32994
	030503 3.0270996	65				
	{other vegetables			{butter}	0.006609049	0 12040
## 50 0 047	root vegetables} 381800 2.5171280		=>	{bucter}	0.00009049	0.13948
	{butter,	65				
## [995]	root vegetables}			{whole milk}	0.008235892	0 63770
	913066 2.4961069	81		(WHO CC III LER)	0.000255092	0.03779
	{butter,	01				
## [990] ##	whole milk}			<pre>{root vegetables}</pre>	0.008235892	0.29889
	554652 2.7421759	81		(1001 vegetables)	0.000255092	0.29009
	{root vegetables,	01				
## [997] ##	whole milk}		=>	{butter}	0.008235892	0.16839
	906965 3.0389098	81	-/	(Maccel J	0.000233032	0.10033
	{butter,	01				
## [990] ##	yogurt}		=>	{other vegetables}	0.006405694	0.43750
	641586 2.2610681	63	-	to the vegetables	01000 10000	31 13/30
	{butter,	33				
## [555]	other vegetables	}	=>	{yogurt}	0.006405694	0.31979
	030503 2.2924220	63	-	-,-9,	-1000 10000 F	3.32373
, 5 5 6 6 6 6	111111 2:121111V					

JI 27, J.	7/11/1			Association rule mining		
##	[1000] {other vegetables	,				
##	yogurt}		=>	{butter}	0.006405694	0.14754
10	0.043416370 2.6625056	63				
##	[1001] {butter,					
##	yogurt}		=>	{whole milk}	0.009354347	0.63888
89	0.014641586 2.5003869	92				
##	[1002] {butter,					
##	_		=>	{yogurt}	0.009354347	0.33948
	0.027554652 2.4335417	92				
	[1003] {whole milk,	-				
##			=>	{butter}	0.009354347	0.16696
	0.056024403 3.0131038	92		(Success)	01003331317	0.10030
	[1004] {butter,	32				
##	· _		->	{other vegetables}	0.005693950	0.42424
	0.013421454 2.1925508	56		(other vegetables)	0.003033330	0172727
	[1005] {butter,	50				
##	•	1		{rolls/buns}	0.005693950	0 20426
	0.020030503 1.5454594			(10 Cts/bulls)	0.000093930	0.20420
		56				
	[1006] {other vegetables	,		[hu++on]	0 005603050	0 1226E
1.6		E.C.	=>	{butter}	0.005693950	0.13365
	0.042602949 2.4118587	56				
	[1007] {butter,			f. d 1 4 1 1 - 3	0.000000000	0 40242
##	• •	65	=>	{whole milk}	0.006609049	0.49242
	0.013421454 1.9271757	65				
	[1008] {butter,			6 33 (1)		
##	•		=>	{rolls/buns}	0.006609049	0.23985
	0.027554652 1.3040068	65				
	[1009] {rolls/buns,			51		
##			=>	{butter}	0.006609049	0.11669
	0.056634469 2.1058917	65				
	[1010] {butter,	_				
##	J		=>	{whole milk}	0.011489578	0.57360
		113				
##	[1011] {butter,					
##			=>	{other vegetables}	0.011489578	0.41697
42		113				
##		,				
##			=>	{butter}	0.011489578	0.15353
		113				
##	[1013] {newspapers,					
##	tropical fruit}		=>	<pre>{whole milk}</pre>	0.005083884	0.43103
45	0.011794611 1.6869177	50				
##	[1014] {newspapers,					
##	whole milk}		=>	{tropical fruit}	0.005083884	0.18587
36	0.027351296 1.7713827	50				
##	[1015] {tropical fruit,					
##	whole milk}		=>	{newspapers}	0.005083884	0.12019
23	0.042297916 1.5058488	50				
##	[1016] {newspapers,					
##	root vegetables}		=>	{other vegetables}	0.005998983	0.52212
39	0.011489578 2.6984175	59				
##	[1017] {newspapers,					
	• • •					

3124	, 5.47	1 1/1			Association fulc illining		
	##	other vegetables}	=	:>	<pre>{root vegetables}</pre>	0.005998983	0.31052
			59				
#	##	[1018] {other vegetables,					
	##	root vegetables}		:>	{newspapers}	0.005998983	0.12660
		0.047381800 1.5862470	59				
#	##	[1019] {newspapers,					
	##	root vegetables}	=	:>	{whole milk}	0.005795628	0.50442
4	48 (0.011489578 1.9741415	57				
#	##	[1020] {newspapers,					
#	##	whole milk}	=	>	<pre>{root vegetables}</pre>	0.005795628	0.21189
	59 (0.027351296 1.9440264	57				
#	##	[1021] {root vegetables,					
#	##	whole milk}	=	:>	{newspapers}	0.005795628	0.11850
3	31 (0.048906965 1.4846856	57				
#	##	[1022] {newspapers,					
	##	yogurt}	=	:>	{rolls/buns}	0.005083884	0.33112
	58 (0.015353330 1.8002336	50				
#	##	[1023] {newspapers,					
	##	rolls/buns}	=	:>	{yogurt}	0.005083884	0.25773
2	20 (50		-, -, -, -, -, -, -, -, -, -, -, -, -, -		
		[1024] {rolls/buns,					
	##	yogurt}	=	:>	{newspapers}	0.005083884	0.14792
			50		(memopaper of		
		[1025] {newspapers,					
	##	yogurt}	=	:>	{other vegetables}	0.005592272	0.36423
			55		(010. 1090100100)		0.00.20
		[1026] {newspapers,					
	##	other vegetables}	=	:>	{yogurt}	0.005592272	0.28947
		-	55		1,15		
		[1027] {other vegetables,					
	##	yogurt}		:>	{newspapers}	0.005592272	0.12880
			55		(memopaper of		
		[1028] {newspapers,					
	##	yogurt}	=	:>	{whole milk}	0.006609049	0.43046
			65		(mile co milent)	01000000015	01.30.0
		[1029] {newspapers,	- -				
	##	whole milk}	=	:>	{yogurt}	0.006609049	0.24163
		•	65		tyoga. ty	0.000000000	0.2.205
		[1030] {whole milk,	03				
	##	yogurt}	=	:>	{newspapers}	0.006609049	0.11796
		• •	65		(newspapers)	01000000015	0.11,30
		[1031] {newspapers,	03				
	##	rolls/buns}	_		{other vegetables}	0.005490595	0.27835
			54		(other vegetables)	01005450555	0127033
		[1032] {newspapers,	5 4				
	##	other vegetables	_	:>	{rolls/buns}	0.005490595	0.28421
		-	54	-	(10 CC3/ Dull3)	01000450050	0120721
		0.019310700 1.3431009 [1033] {other vegetables,	J-T				
	## ##	rolls/buns}	_		{newspapers}	0.005490595	0.12887
	111			_	(liewshahers)	CECME+CMM.M	0.1200/
	22 4	N N/1/6N/1U/1U 61/6//5					
8			54				
<i>‡</i>		0.042602949 1.6146725 [1034] {newspapers, rolls/buns}			{whole milk}	0.007625826	0.38659

	70	0.019725470 1.5130086	75				
			75				
		[1035] {newspapers,			())	0 007625026	0 07004
	##	whole milk}		=>	{rolls/buns}	0.007625826	0.27881
		0.027351296 1.5158100	75				
	##	[1036] {rolls/buns,					
	##	whole milk}		=>	{newspapers}	0.007625826	0.13464
	99	0.056634469 1.6869833	75				
	##	[1037] {newspapers,					
	##	other vegetables	}	=>	{whole milk}	0.008337570	0.43157
	89	0.019318760 1.6890485	82				
		[1038] {newspapers,					
	##	whole milk}		=>	{other vegetables}	0.008337570	0.30483
		0.027351296 1.5754229	82		(other vegetables)	01000337370	0130403
		[1039] {other vegetables					
		_	,		[novement no]	0 000007570	0 11141
	##	whole milk}	0.2	=>	{newspapers}	0.008337570	0.11141
		0.074834774 1.3958564	82				
		[1040] {domestic eggs,	_				
	##	whipped/sour cre		=>	{other vegetables}	0.005083884	0.51020
		0.009964413 2.6368141	50				
	##	[1041] {domestic eggs,					
	##	other vegetables	}	=>	<pre>{whipped/sour cream}</pre>	0.005083884	0.22831
	05	0.022267412 3.1850125	50				
	##	[1042] {other vegetables	,				
	##	whipped/sour cre	am}	=>	{domestic eggs}	0.005083884	0.17605
	63	0.028876462 2.7748623	50				
	##	[1043] {domestic eggs,					
	##	whipped/sour cre	am}	=>	{whole milk}	0.005693950	0.57142
		0.009964413 2.2363709	56		(cc = c)		0107212
		[1044] {domestic eggs,	30				
	##	whole milk}			{whipped/sour cream}	0.005693950	0.18983
		0.029994916 2.6482029	56		(wiiipped/30di cream)	0.003093930	0.10903
		[1045] {whipped/sour cre					
		• •	alli,		(damaati aana)	0.005000050	0 17665
	##	whole milk}		=>	{domestic eggs}	0.005693950	0.1/665
		0.032231825 2.7843161	56				
	##	[1046] {domestic eggs,					
	##	pip fruit}		=>	{whole milk}	0.005388917	0.62352
		0.008642603 2.4402753	53				
	##	[1047] {domestic eggs,					
	##	whole milk}		=>	<pre>{pip fruit}</pre>	0.005388917	0.17966
	10	0.029994916 2.3749544	53				
	##	[1048] {pip fruit,					
	##	whole milk}		=>	{domestic eggs}	0.005388917	0.17905
	41	0.030096594 2.8221100	53				
		[1049] {citrus fruit,					
	##	domestic eggs}		=>	{whole milk}	0.005693950	0.54901
		0.010371124 2.1486701	56	-			3.3.501
		[1050] {domestic eggs,	50				
	##	whole milk}			{citrus fruit}	0.005693950	0 12023
		0.029994916 2.2935910	56		(CICIUS ITUIC)	0.0000000000000000000000000000000000000	0.10303
			Ju				
		[1051] {citrus fruit,				0.005000050	0.10000
	##	whole milk}	E.C.	=>	{domestic eggs}	0.005693950	0. TQQQQ
	67	0.030503305 2.9420940	56				
- 1							

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##	<pre>[1052] {domestic eggs,</pre>			{whole milk}	0.006914082	0.60714
	0.011387900 2.3761441	68	=>	(whote mitk)	0.000914062	0.00/14
	[1053] {domestic eggs,	00				
##				{tropical fruit}	0.006914082	0.23050
	0.029994916 2.1967547	68	_/	(tropical fruit)	0.000914002	0.23030
	[1054] {tropical fruit,	00				
				[domostic oggs]	0.006914082	0.16346
15	_		=>	{domestic eggs}	0.000914062	0.10340
	0.042297916 2.5763529	68				
	[1055] {domestic eggs,			(athan wasatahlaa)	0 007220702	0 51060
##	•		=>	<pre>{other vegetables}</pre>	0.007320793	0.51003
		72				
	[1056] {domestic eggs,			(reat vegetables)	0.007320793	0.32876
##	other vegetables} 0.022267412 3.0162543		=>	{root vegetables}	0.00/320/93	0.320/0
	[1057] {other vegetables,	72				
##				{domestic eggs}	0.007320793	0.15450
	root vegetables} 0.047381800 2.4352096	72	->	(domestic eggs)	0.00/320/93	0.13430
	[1058] {domestic eggs,	12				
##				{whole milk}	0.008540925	0.59574
	root vegetables} 0.014336553 2.3315356	84	->	(whote mitk)	0.000340923	0.39374
	[1059] {domestic eggs,	04				
##				{root vegetables}	0.008540925	0 20171
	0.029994916 2.6123830	84	_/	(1001 vegetables)	0.000340923	0.204/4
	[1060] {root vegetables,	04				
##				{domestic eggs}	0.008540925	0.17463
	0.048906965 2.7524788	84	_/	(domestic eggs)	0.000340923	0.17403
	[1061] {domestic eggs,	04				
##				{other vegetables}	0.005083884	0.40983
	0.012404677 2.1180965	50	_/	(other vegetables)	0.0000004	0.40903
	[1062] {domestic eggs,	30				
##		_		{soda}	0.005083884	0.22831
	0.022267412 1.3092908	50		(30da)	0.0000004	0.22031
	[1063] {other vegetables,					
##			->	{domestic eggs}	0.005083884	0 15527
	0.032740214 2.4473941	50		(domestic eggs)	01003003004	0113327
##		30				
##			=>	{whole milk}	0.005185562	0.41803
	0.012404677 1.6360336	51		(WILD CO. INT CIV)	01003103302	2141007
	[1065] {domestic eggs,	31				
##			=>	{soda}	0.005185562	0.17288
	0.029994916 0.9914217	51	-	(3344)	0.005105502	311/200
	[1066] {soda,					
##	•		=>	{domestic eggs}	0.005185562	0.12944
	0.040061007 2.0401577	51			11000002	
	[1067] {domestic eggs,					
##	·		=>	{other vegetables}	0.005795628	0.40425
	0.014336553 2.0892544	57				
##						
##	·	-	=>	{yogurt}	0.005795628	0.26027
	0.022267412 1.8657394	57		-, - 9,		
	[1069] {other vegetables,	_				

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	##	yogurt}	=>	{domestic eggs}	0.005795628	0.13348
	95	0.043416370 2.1039565 57				
	##	[1070] {domestic eggs,				
	##	yogurt}	=>	{whole milk}	0.007727504	0.53900
	71	0.014336553 2.1094846 76				
	##	[1071] {domestic eggs,				
	##	whole milk}	=>	{yogurt}	0.007727504	0.25762
	71	0.029994916 1.8467658 76				
	##	[1072] {whole milk,				
	##	yogurt}	=>	{domestic eggs}	0.007727504	0.13793
	10	0.056024403 2.1739611 76		33 7		
		[1073] {domestic eggs,				
	##	rolls/buns}	=>	{other vegetables}	0.005897306	0.37662
		0.015658363 1.9464482 58		to and to ago to a coo,	01000007000	010700
		[1074] {domestic eggs,				
	##	other vegetables}	=>	<pre>{rolls/buns}</pre>	0.005897306	0.26484
		0.022267412 1.4398580 58		(01000007000	0120.0.
		[1075] {other vegetables,				
	##	rolls/buns}	=>	{domestic eggs}	0.005897306	0.13842
		0.042602949 2.1817438 58		(domestic eggs)	01003037300	0113042
		[1076] {domestic eggs,				
	##	rolls/buns}		{whole milk}	0.006609049	0 12207
		0.015658363 1.6518648 65		(whole mick)	0.000009049	0.42207
		[1077] {domestic eggs,				
	##	whole milk}		{rolls/buns}	0.006609049	0.22033
		0.029994916 1.1979181 65	-/	(10 Cts/bulls)	0.000009049	0.22033
	##	<pre>[1078] {rolls/buns, whole milk}</pre>	_<	[domostic oggs]	0.006609049	0 11660
			=>	{domestic eggs}	0.000009049	0.11669
		0.056634469 1.8392804 65				
		[1079] {domestic eggs,		(h.a.] a	0.012202000	0 55351
	##	other vegetables}	=>	{whole milk}	0.012302999	0.55251
		0.022267412 2.1623358 121				
		[1080] {domestic eggs,			0.042202000	0 44046
	##	whole milk}	=>	{other vegetables}	0.012302999	0.41016
		0.029994916 2.1198197 121				
	##	[1081] {other vegetables,		(dama a taban a man)	0.012202000	0 16440
	##	whole milk}	=>	{domestic eggs}	0.012302999	0.16440
		0.074834774 2.5911785 121				
		[1082] {bottled water,			0.005405560	0. 26420
	##	<pre>fruit/vegetable juice}</pre>	=>	{soda}	0.005185562	0.36428
		0.014234875 2.0890671 51				
		[1083] {fruit/vegetable juice,				
	##	soda}	=>	{bottled water}	0.005185562	0.28176
		0.018403660 2.5493908 51				
		[1084] {bottled water,				0 4-0
	##	soda}	=>	<pre>{fruit/vegetable juice}</pre>	0.005185562	0.17894
		0.028978139 2.4753128 51				
		[1085] {bottled water,				
	##	<pre>fruit/vegetable juice}</pre>	=>	{whole milk}	0.005795628	0.40714
		0.014234875 1.5934142 57				
		[1086] {fruit/vegetable juice,				
	##	whole milk}	=>	{bottled water}	0.005795628	0.21755

	72 0 020020552 1 0004	220 57		g		
	73 0.026639553 1.9684					
	## [1087] {bottled wa	•	_	_		
	## whole milk		=> {f	ruit/vegetable juice}	0.005795628	0.16863
	91 0.034367056 2.3327	216 57				
	## [1088] {fruit/vege	table juice,				
	## tropical f	ruit}	=> {0	ther vegetables}	0.006609049	0.48148
	15 0.013726487 2.4883			5		
	## [1089] {fruit/vege					
		•	(+	ronical fruitl	0 006600040	0.31400
	## other vege		=> {[ropical fruit}	0.006609049	0.31400
	97 0.021047280 2.9925					
	## [1090] {other vege					
	## tropical f	ruit}	=> {f	ruit/vegetable juice}	0.006609049	0.18413
	60 0.035892222 2.5470	849 65				
	## [1091] {fruit/vege	table juice,				
	## tropical f	ruit}	=> {w	hole milk}	0.005998983	0.43703
	70 0.013726487 1.7104	096 59				
	## [1092] {fruit/vege					
	## whole milk	•	\	ropical fruit}	0.005998983	0.22519
			-> \L	TOPICAL TRUITS	0.003996963	0.22319
	08 0.026639553 2.1460					
	## [1093] {tropical f	-				
	## whole milk		=> {f	ruit/vegetable juice}	0.005998983	0.14182
	69 0.042297916 1.9618	394 59				
	## [1094] {fruit/vege	table juice,				
	## root veget	ables}	=> {0.	ther vegetables}	0.006609049	0.55084
	75 0.011997966 2.8468			-		
	## [1095] {fruit/vege					
	## other vege		-> {r	oot vegetables}	0.006609049	0.31400
	97 0.021047280 2.8808		-> (11	out vegetables;	0.000009049	0.51400
	## [1096] {other vege					
	## root veget		=> {†	ruit/vegetable juice}	0.006609049	0.13948
	50 0.047381800 1.9294					
	## [1097] {fruit/vege	table juice,				
	## root vegeta	ables}	=> {w	hole milk}	0.006507372	0.54237
	29 0.011997966 2.1226	571 64				
	## [1098] {fruit/vege	table iuice.				
	## whole milk	- · · · · · · · · · · · · · · · · · · ·	=> {r	oot vegetables}	0.006507372	0.24427
	48 0.026639553 2.2410	-	·- (11	out regulables,	3.00030/3/2	V127721
	## [1099] {root veget; ## whole milk	•	(.e	nuit (voqotabla ini aal	0 00650777	0 12205
		-	=> {T	ruit/vegetable juice}	0.006507372	0.13305
	61 0.048906965 1.8405					
	## [1100] {fruit/vege	table juice,				
	## soda}		=> {y	ogurt}	0.005083884	0.27624
	31 0.018403660 1.9802	120 50				
	## [1101] {fruit/vege	table juice,				
	## yogurt}	· ·	=> {s	oda}	0.005083884	0.27173
	91 0.018708693 1.5583	407 50		-		-
	## [1102] {soda,	50				
			(_	ruit/vogotable inical	0.005083884	0.18587
	, ,	200 50	-/ (I	ruit/vegetable juice}	400C0UCUU . U	0.1070\
	36 0.027351296 2.57113					
	## [1103] {fruit/vege	table juice,				
	## soda}		=> {w	hole milk}	0.006100661	0.33149
	17 0.018403660 1.2973	422 60				

## [1104] [fruit/wagatable_iuica		
<pre>## [1104] {fruit/vegetable juice, ## whole milk}</pre>	-> [codo]	0 006100661 0 22000
## whole milk} 76 0.026639553 1.3132887 60	=> {soda}	0.006100661 0.22900
## [1105] {soda, ## whole milk}	-> [fruit/wagatable inica]	0 006100661 0 15220
	<pre>=> {fruit/vegetable juice}</pre>	0.006100661 0.15228
43 0.040061007 2.1064919 60		
## [1106] {fruit/vegetable juice,	(0 000225002 0 44024
## yogurt}	<pre>=> {other vegetables}</pre>	0.008235892 0.44021
74 0.018708693 2.2751120 81		
<pre>## [1107] {fruit/vegetable juice,</pre>		
<pre>## other vegetables}</pre>	=> {yogurt}	0.008235892 0.39130
43 0.021047280 2.8050133 81		
## [1108] {other vegetables,		
## yogurt}	<pre>=> {fruit/vegetable juice}</pre>	0.008235892 0.18969
56 0.043416370 2.6239884 81		
<pre>## [1109] {fruit/vegetable juice,</pre>		
## yogurt}	=> {whole milk}	0.009456024 0.50543
48 0.018708693 1.9780943 93		
<pre>## [1110] {fruit/vegetable juice,</pre>		
## whole milk}	=> {yogurt}	0.009456024 0.35496
18 0.026639553 2.5444968 93		
## [1111] {whole milk,		
## yogurt}	<pre>=> {fruit/vegetable juice}</pre>	0.009456024 0.16878
40 0.056024403 2.3347270 93		
<pre>## [1112] {fruit/vegetable juice,</pre>		
## rolls/buns}	=> {whole milk}	0.005592272 0.38461
54 0.014539908 1.5052496 55		
<pre>## [1113] {fruit/vegetable juice,</pre>		
## whole milk}	=> {rolls/buns}	0.005592272 0.20992
37 0.026639553 1.1412931 55	• • • • • • •	
<pre>## [1114] {fruit/vegetable juice,</pre>		
## other vegetables}	=> {whole milk}	0.010472801 0.49758
45 0.021047280 1.9473713 103	Ç	
## [1115] {fruit/vegetable juice,		
## whole milk}	<pre>=> {other vegetables}</pre>	0.010472801 0.39312
98 0.026639553 2.0317558 103	(other vegetables)	01010172001 0133312
## [1116] {other vegetables,		
## whole milk}	<pre>=> {fruit/vegetable juice}</pre>	0.010472801 0.13994
57 0.074834774 1.9358164 103	-> (Trule) vegetable juices	0.0104/2001 0.13994
## [1117] {pip fruit,		
## whipped/sour cream}	<pre>=> {other vegetables}</pre>	0.005592272 0.60439
56 0.009252669 3.1236105 55	-/ juiller vegetables}	0.003392272 0.00439
## [1118] {other vegetables,	-> Inin frui+l	0.005592272 0.19366
## whipped/sour cream}	=> {pip fruit}	0.005592272 0.19366
20 0.028876462 2.5600343 55		
## [1119] {other vegetables,		0.005503373 0.34400
## pip fruit}	<pre>=> {whipped/sour cream}</pre>	0.005592272 0.21400
78 0.026131164 2.9854844 55		
## [1120] {pip fruit,	() 7 (7)	0.005000000 0.04005
## whipped/sour cream}	=> {whole milk}	0.005998983 0.64835
16 0.009252669 2.5374208 59		
## [1121] {whipped/sour cream,		

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	##	whole milk}		=>	<pre>{pip fruit}</pre>	0.005998983	0.18611
	99 0.03223	31825 2.4603346	59				
	## [1122]	{pip fruit,					
	##	whole milk}		=>	<pre>{whipped/sour cream}</pre>	0.005998983	0.19932
	43 0.03009	06594 2.7806450	59				
	## [1123]	{citrus fruit,					
	##	whipped/sour crea	am}	=>	{other vegetables}	0.005693950	0.52336
	45 0.01087	79512 2.7048291	56				
	## [1124]	{other vegetables	,				
	##	whipped/sour crea	am}	=>	{citrus fruit}	0.005693950	0.19718
	31 0.02887	76462 2.3824272	56				
	## [1125]	{citrus fruit,					
	##	other vegetables	}	=>	<pre>{whipped/sour cream}</pre>	0.005693950	0.19718
	31 0.02887	76462 2.7507741	56				
	## [1126]	{citrus fruit,					
	##	whipped/sour crea	am}	=>	{whole milk}	0.006304016	0.57943
	93 0.01087	79512 2.2677219	62				
	## [1127]	{whipped/sour crea	am,				
	##	whole milk}	•	=>	{citrus fruit}	0.006304016	0.19558
	36 0.03223	31825 2.3631016	62				
	## [1128]	{citrus fruit,					
	##	whole milk}		=>	<pre>{whipped/sour cream}</pre>	0.006304016	0.20666
	67 0.03050	3305 2.8830733	62				
	## [1129]	{sausage,					
	##	whipped/sour crea	am}	=>	{whole milk}	0.005083884	0.56179
		19314 2.1986792	50				
	## [1130]	{whipped/sour crea	am,				
	##	whole milk}	•	=>	{sausage}	0.005083884	0.15772
	87 0.03223	31825 1.6788548	50		-		
	## [1131]	{sausage,					
	##	whole milk}		=>	<pre>{whipped/sour cream}</pre>	0.005083884	0.17006
	80 0.02989	3238 2.3725093	50				
	## [1132]	{tropical fruit,					
	##	whipped/sour crea	am}	=>	{yogurt}	0.006202339	0.44852
	94 0.01382	28165 3.2152236	61				
	## [1133]	{whipped/sour crea	am,				
	##	yogurt}		=>	{tropical fruit}	0.006202339	0.29901
	96 0.02074	12247 2.8496685	61				
	## [1134]	{tropical fruit,					
	##	yogurt}		=>	<pre>{whipped/sour cream}</pre>	0.006202339	0.21180
	56 0.02928	33172 2.9547626	61				
	## [1135]	{tropical fruit,					
	##	whipped/sour crea	am}	=>	{other vegetables}	0.007829181	0.56617
	65 0.01382	28165 2.9260881	77				
	## [1136]	{other vegetables	,				
	##	whipped/sour crea	am}	=>	{tropical fruit}	0.007829181	0.27112
	68 0.02887	76462 2.5838485	77				
	## [1137]	{other vegetables	,				
	##	tropical fruit}		=>	<pre>{whipped/sour cream}</pre>	0.007829181	0.21813
	03 0.03589	92222 3 . 0429952	77				
	## [1138]	{tropical fruit,					
	##	whipped/sour crea	am}	=>	{whole milk}	0.007930859	0.57352
		• •			-		

	4 0 042020465 2 2445020 70	· · · · · · · · · · · · · · · · · · ·	
	4 0.013828165 2.2445928 78		
	# [1139] {whipped/sour cream,		
#	-	=> {tropical fruit} 0.007930859	0.24605
6	8 0.032231825 2.3449307 78		
#	# [1140] {tropical fruit,		
#	# whole milk}	=> {whipped/sour cream} 0.007930859	0.18750
0	0.042297916 2.6156915 78		
#	# [1141] {root vegetables,		
#	<pre># whipped/sour cream}</pre>	=> {yogurt} 0.006405694	0.37500
0	0 0.017081851 2.6881378 63	• •	
	# [1142] {whipped/sour cream,		
#		=> {root vegetables} 0.006405694	0.30882
	5 0.020742247 2.8332830 63	(root regetables)	0130002
	# [1143] {root vegetables,		
#		=> {whipped/sour cream} 0.006405694	0.24803
	yogurt; 5	=> \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0.24003
	# [1144] {root vegetables,	()	0 50000
#	[-[,	=> {other vegetables} 0.008540925	0.50000
	0 0.017081851 2.5840778 84		
	# [1145] {other vegetables,		
#	FF,	=> {root vegetables} 0.008540925	0.29577
4	6 0.0 28876462 2.7135668 84		
#	# [1146] {other vegetables,		
#	# root vegetables}	=> {whipped/sour cream} 0.008540925	0.18025
7	5 0.047381800 2.5146562 84		
#	# [1147] {root vegetables,		
#	<pre># whipped/sour cream}</pre>	=> {whole milk} 0.009456024	0.55357
1	4 0.017081851 2.1664843 93		
#	# [1148] {whipped/sour cream,		
#	_ ·	=> {root vegetables} 0.009456024	0.29337
5	4 0.032231825 2.6915550 93	• • • • • • • • • • • • • • • • • • • •	
	# [1149] {root vegetables,		
#	· · · · · · · · · · · · · · · · · · ·	=> {whipped/sour cream} 0.009456024	0.19334
	2 0.048906965 2.6972619 93	-> (willphea/ sour cream) 01003430024	0113334
#			
	-	=> {whole milk} 0.005490595	0 47260
#	11 .	=> {whole milk} 0.005490595	0.47368
	# [1151] {whipped/sour cream,		0 17024
#		=> {soda} 0.005490595	0.17034
	0 0.032231825 0.9768879 54		
#	•		
#		=> {whipped/sour cream} 0.005490595	0.13705
5	8 0.040061007 1.9119775 54		
#	# [1153] {whipped/sour cream,		
#	# yogurt}	=> {other vegetables} 0.010167768	0.49019
6	1 0.020742247 2.5334096 100		
#	# [1154] {other vegetables,		
#	<pre># whipped/sour cream}</pre>	=> {yogurt} 0.010167768	0.35211
2	7 0.028876462 2.5240730 100		
#	# [1155] {other vegetables,		
#		=> {whipped/sour cream} 0.010167768	0.23419
			-
	0 0.043416370 3.2670620 100		

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		[1156] {whipped/sour cream,		
	##	yogurt}	=> {whole milk} 0.010879512	0.52450
		0.020742247 2.0527473 107		
		[1157] {whipped/sour cream,	- [vanuat] 0.010070E12	A 22752
	##	whole milk}	=> {yogurt} 0.010879512	0.33753
		0.032231825 2.4196066 107		
		[1158] {whole milk,	- [uhinned/seur aream] 0.010070E12	0 10410
	##	yogurt}	=> {whipped/sour cream} 0.010879512	0.19419
		0.056024403 2.7090525 107		
		[1159] {rolls/buns,	(athor waretables) 0.006710727	0 45022
	##	whipped/sour cream} 0.014641586 2.3687380 66	=> {other vegetables} 0.006710727	0.45833
	##	<pre>[1160] {other vegetables, whipped/sour cream}</pre>	=> {rolls/buns} 0.006710727	0.23239
		0.028876462 1.2634597 66	-> \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0.23239
		[1161] {other vegetables,		
	##	rolls/buns}	=> {whipped/sour cream} 0.006710727	0.15751
		0.042602949 2.1974306 66	• •	0.13/31
		[1162] {rolls/buns,		
	##	whipped/sour cream}	=> {whole milk} 0.007829181	0.53472
		0.014641586 2.0927151 77	=> (whole milk) 0.007029101	0133472
		[1163] {whipped/sour cream,		
	##	whole milk}	=> {rolls/buns} 0.007829181	0.24290
		0.032231825 1.3205877 77	(10003/54115)	0121230
		[1164] {rolls/buns,		
	##	whole milk}	=> {whipped/sour cream} 0.007829181	0.13824
		0.056634469 1.9285050 77	(ppou/, oou o. ou)	
		[1165] {other vegetables,		
	##	whipped/sour cream}	=> {whole milk} 0.014641586	0.50704
		0.028876462 1.9843854 144		
	##	[1166] {whipped/sour cream,		
	##	whole milk}	=> {other vegetables} 0.014641586	0.45425
	87	0.032231825 2.3476795 144	•	
	##	[1167] {other vegetables,		
	##	whole milk}	=> {whipped/sour cream} 0.014641586	0.19565
	22	0.074834774 2.7294172 144		
	##	[1168] {pastry,		
	##	pip fruit}	=> {whole milk} 0.005083884	0.47619
	05	0.010676157 1.8636424 50		
	##	[1169] {pip fruit,		
	##	whole milk}	=> {pastry} 0.005083884	0.16891
		0.030096594 1.8986486 50		
		[1170] {pastry,		
	##	whole milk}	=> {pip fruit} 0.005083884	0.15290
		0.033248602 2.0212670 50		
		[1171] {citrus fruit,		
	##	pip fruit}	=> {tropical fruit} 0.005592272	0.40441
		0.013828165 3.8540598 55		
		[1172] {pip fruit,	6.11	
	##	tropical fruit}	=> {citrus fruit} 0.005592272	0.2/363
		0.020437214 3.3061046 55		
	##	[1173] {citrus fruit,		

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		tropical fruit}		=>	<pre>{pip fruit}</pre>	0.005592272	0.28061
		0.019928826 3.7094374	55				
	##	[1174] {citrus fruit,					
	##	<pre>pip fruit}</pre>		=>	<pre>{other vegetables}</pre>	0.005897306	0.42647
		0.013828165 2.2040663	58				
	##	[1175] {other vegetables,	•				
	##	<pre>pip fruit}</pre>		=>	{citrus fruit}	0.005897306	0.22568
	09	0.026131164 2.7267469	58				
	##	[1176] {citrus fruit,					
	##	other vegetables	}	=>	<pre>{pip fruit}</pre>	0.005897306	0.20422
	54	0.028876462 2.6996725	58				
	##	[1177] {citrus fruit,					
	##	<pre>pip fruit}</pre>		=>	{whole milk}	0.005185562	0.37500
	00	0.013828165 1.4676184	51				
	##	[1178] {pip fruit,					
	##	whole milk}		=>	{citrus fruit}	0.005185562	0.17229
	73	0.030096594 2.0817493	51				
	##	[1179] {citrus fruit,					
	##	whole milk}		=>	<pre>{pip fruit}</pre>	0.005185562	0.17000
	00	0.030503305 2.2472446	51				
	##	[1180] {pip fruit,					
	##	sausage}		=>	{whole milk}	0.005592272	0.51886
	79	0.010777834 2.0306669	55				
	##	[1181] {pip fruit,					
	##	whole milk}		=>	{sausage}	0.005592272	0.18581
	08	0.030096594 1.9777590	55				
	##	[1182] {sausage,					
	##	whole milk}		=>	<pre>{pip fruit}</pre>	0.005592272	0.18707
	48	0.029893238 2.4729583	55				
	##	[1183] {pip fruit,					
	##	tropical fruit}		=>	<pre>{root vegetables}</pre>	0.005287239	0.25870
	65	0.020437214 2.3734870	52				
	##	[1184] {pip fruit,					
	##	root vegetables}		=>	{tropical fruit}	0.005287239	0.33986
	93	0.015556685 3.2389674	52				
	##	[1185] {root vegetables,					
	##	tropical fruit}		=>	<pre>{pip fruit}</pre>	0.005287239	0.25120
	77	0.021047280 3.3207366	52				
	##	[1186] {pip fruit,					
	##	tropical fruit}		=>	{yogurt}	0.006405694	0.31343
	28	0.020437214 2.2468017	63				
	##	[1187] {pip fruit,					
	##	yogurt}		=>	{tropical fruit}	0.006405694	0.35593
	22	0.017996950 3.3920477	63				
	##	[1188] {tropical fruit,					
	##	yogurt}		=>	<pre>{pip fruit}</pre>	0.006405694	0.21875
	00	0.029283172 2.8916751	63				
	##	[1189] {pip fruit,					
	##	tropical fruit}		=>	{other vegetables}	0.009456024	0.46268
	66	0.020437214 2.3912361	93				
	##	[1190] {other vegetables,	,				
	##	pip fruit}		=>	{tropical fruit}	0.009456024	0.36186

JI	2 7 , J.7	/ 1 IVI			Association fulc mining		
	77	0.026131164 3.4486132	93				
		[1191] {other vegetables,					
		tropical fruit}		=>	<pre>{pip fruit}</pre>	0.009456024	0.26345
		0.035892222 3.4826487	93				
		[1192] {pip fruit,					
		tropical fruit}		=>	{whole milk}	0.008439248	0.41293
		0.020437214 1.6160839	83				
		[1193] {pip fruit,			6		
		whole milk}		=>	{tropical fruit}	0.008439248	0.28040
		0.030096594 2.6722744	83				
		[1194] {tropical fruit,			{pip fruit}	0 000420240	0 100E1
	##	whole milk} 0.042297916 2.6374619	83	=>	(bib itait)	0.008439248	0.19951
		[1195] {pip fruit,	03				
	##	• • • • • • • • • • • • • • • • • • • •			{yogurt}	0.005287239	0 33086
		0.015556685 2.4363079	52		(yogur c)	0.003207233	0.33300
		[1196] {pip fruit,	32				
	##	• • • • • • • • • • • • • • • • • • • •		=>	{root vegetables}	0.005287239	0.29378
		0.017996950 2.6953158	52		(Took vegetables)	01003207233	0123370
		[1197] {root vegetables,	-				
	##	yogurt}		=>	{pip fruit}	0.005287239	0.20472
	44	0.025826131 2.7062696	52				
	##	[1198] {pip fruit,					
	##	_		=>	{other vegetables}	0.008134215	0.52287
	58	0.015556685 2.7023036	80				
	##	[1199] {other vegetables,					
	##	<pre>pip fruit}</pre>		=>	<pre>{root vegetables}</pre>	0.008134215	0.31128
	40	0.026131164 2.8558569	80				
	##	[1200] {other vegetables,					
	##	root vegetables}		=>	<pre>{pip fruit}</pre>	0.008134215	0.17167
		0.047381800 2.2693710	80				
		[1201] {pip fruit,					
	##	root vegetables}		=>	{whole milk}	0.008947636	0.57516
		0.015556685 2.2509877	88				
		[1202] {pip fruit,					
	##	whole milk}		=>	{root vegetables}	0.008947636	0.29729
		0.030096594 2.7275363	88				
	##	<pre>[1203] {root vegetables, whole milk}</pre>		_<	{pip fruit}	0.008947636	0.18295
		0.048906965 2.4184606	88		Thin indica	0.000947030	0.10293
		[1204] {pip fruit,	00				
	##	yogurt}		=>	{other vegetables}	0.008134215	0.45197
		0.017996950 2.3358895	80		(other vegetables)	0100015 1215	01 15157
		[1205] {other vegetables,					
	##	pip fruit}		=>	{yogurt}	0.008134215	0.31128
		0.026131164 2.2313984	80		-, - , -,		,
		[1206] {other vegetables,					
	##	yogurt}		=>	{pip fruit}	0.008134215	0.18735
	36	0.043416370 2.4766438	80				
	##	[1207] {pip fruit,					
	##	yogurt}		=>	{whole milk}	0.009557702	0.53107
	34	0.017996950 2.0784351	94				

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	[1208] {pip fruit,					
##	_		=>	{yogurt}	0.009557702	0.31756
		94				
	[1209] {whole milk,			5 1 5 113		
##	, ,		=>	{pip fruit}	0.009557702	0.1/059
		94				
	[1210] {pip fruit,					
##			=>	{other vegetables}	0.005083884	0.36496
		50				
	[1211] {other vegetables,					
##	• •		=>	{rolls/buns}	0.005083884	0.19455
	0.026131164 1.0577248	50				
	[1212] {other vegetables,			f : f : 13	0.005000004	0 44000
##	• •		=>	{pip fruit}	0.005083884	0.11933
	0.042602949 1.5774566	50				
	[1213] {pip fruit,				0.0000000000	0 44525
##	,,	64	=>	{whole milk}	0.006202339	0.44525
		61				
	[1214] {pip fruit,			[]	0.000000000	0 2000
##	•	61	=>	{rolls/buns}	0.006202339	0.20608
		61				
	[1215] {rolls/buns,			[nin fruit]	0.006202339	0 100E1
##		61	=>	{pip fruit}	0.000202339	0.10951
##	[1216] {other vegetables,			{whole milk}	0.013523132	0 51750
	F F	22	_/	(whote mitk)	0.013323132	0.31/30
	[1217] {pip fruit,	.33				
##	• • •			{other vegetables}	0.013523132	0 44033
		.33		(other vegetables)	0.013323132	0.44932
	[1218] {other vegetables,					
##			->	{pip fruit}	0.013523132	0.18070
	•	.33		(pip frait)	01013323132	0110070
	[1219] {pastry,	.55				
##	· · · · · · · · · · · · · · · · · · ·		=>	{whole milk}	0.005693950	0.45528
	0.012506355 1.7818239	56	-	(mile co mile city	0.005055550	01 13320
	[1220] {pastry,	30				
##	• • • •		=>	{sausage}	0.005693950	0.17125
	0.033248602 1.8228153	56	-		1100000000	J / /
	[1221] {sausage,					
##	. .		=>	{pastry}	0.005693950	0.19047
	0.029893238 2.1409524	56		(pa.5 c. y)		
	[1222] {pastry,					
##	·		=>	{other vegetables}	0.005083884	0.38461
	0.013218099 1.9877521	50		3		
	[1223] {other vegetables,					
##	•		=>	{tropical fruit}	0.005083884	0.22522
	0.022572445 2.1464051	50		•		
##	[1224] {other vegetables,					
##	•		=>	{pastry}	0.005083884	0.14164
31	0.035892222 1.5920680	50		-		
##	[1225] {pastry,					

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	##	tropical fruit}		=>	{whole milk}	0.006710727	0.50769
	23	0.013218099 1.9869295	66				
	##	[1226] {pastry,					
	##	whole milk}		=>	{tropical fruit}	0.006710727	0.20183
	49	0.033248602 1.9234941	66				
	##	[1227] {tropical fruit,					
	##	whole milk}		=>	{pastry}	0.006710727	0.15865
	38	0.042297916 1.7832692	66				
	##	[1228] {pastry,					
	##	root vegetables}		=>	<pre>{other vegetables}</pre>	0.005897306	0.53703
	70	0.010981190 2.7754909	58		-		
		[1229] {other vegetables,					
	##	pastry}		=>	<pre>{root vegetables}</pre>	0.005897306	0.26126
		0.022572445 2.3969258	58				
		[1230] {other vegetables,					
	##	root vegetables}		=>	{pastry}	0.005897306	0.12446
		0.047381800 1.3989700	58		(500 1.),		
		[1231] {pastry,	30				
	##	root vegetables}		=>	{whole milk}	0.005693950	0.51851
		0.010981190 2.0292995	56		(who ce in rek)	01003033330	0131031
		[1232] {pastry,	30				
	##	whole milk}		=>	<pre>{root vegetables}</pre>	0.005693950	0.17125
		0.033248602 1.5711580	56		(100c vegetables)	01003033330	011/125
		[1233] {root vegetables,	30				
	##	whole milk}		->	{pastry}	0.005693950	0.11642
		0.048906965 1.3086071	56		(pastiy)	01003033330	0111042
		[1234] {pastry,	30				
	##	soda}		=>	<pre>{rolls/buns}</pre>	0.005388917	0.25603
		0.021047280 1.3920067	53	-	(1.0 cts) balls)	01003300317	0.25005
		[1235] {pastry,	33				
	##	rolls/buns}		=>	{soda}	0.005388917	0.25728
		0.020945602 1.4754309	53		[5044]	01003300317	0123720
		[1236] {rolls/buns,	33				
	##	soda}			{pastry}	0.005388917	0 1/058
		0.038332486 1.5801592	53		(pastry)	0.005500917	0.14030
		[1237] {pastry,	33				
	##	soda}			{other vegetables}	0.005490595	0 26086
		0.021047280 1.3482145	54		(other vegetables)	0.003490393	0.20000
		[1238] {other vegetables,	_				
	##	pastry}			{soda}	0.005490595	0 24324
		0.022572445 1.3949255	54	_/	(Soua)	0.003490393	0.24324
			_				
		[1239] {other vegetables,			[man+my]	0 005400505	0 16770
	##	soda}	ΕΛ	=>	{pastry}	0.005490595	0.10//0
		0.032740214 1.8849689	54				
		[1240] {pastry, soda}			{whole milk}	0.008235892	0 20120
	##	0.021047280 1.5314279	81	->	(MILOTE HITCK)	v. 000233092	A. DATA
		[1241] {pastry,	01				
	##	whole milk}			{soda}	0.008235892	0 24770
		0.033248602 1.4205205	81	->	(Soua)	v. 000233092	U. 24//U
		[1242] {soda,	01				
	##	whole milk}			{pastry}	0.008235892	0.20558
	##	MILOTE HITTEL			ιραστι γ ζ	0.000233092	0.20JJ0
- 1							

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3	8 0.040061007 2.3107614	81			
#	# [1243] {pastry,				
#	, ,		=> {rolls/buns}	0.005795628	0.32758
	2 0.017691917 1.7809897	57			
	# [1244] {pastry,				
#	,		=> {yogurt}	0.005795628	0.27669
	0 0.020945602 1.9834803	57			
	# [1245] {rolls/buns,				
	# yogurt}		=> {pastry}	0.005795628	0.16863
	1 0.034367056 1.8955030	57			
	# [1246] {pastry,				
	# yogurt}		=> {other vegetables}	0.006609049	0.37356
	2 0.017691917 1.9306328	65			
	# [1247] {other vegetables,	•			
	# pastry}		=> {yogurt}	0.006609049	0.29279
	8 0.022572445 2.0988463	65			
	# [1248] {other vegetables,	•			
	# yogurt}		=> {pastry}	0.006609049	0.15222
	8 0.043416370 1.7110070	65			
	# [1249] {pastry,		6.1.2		
	# yogurt}		=> {whole milk}	0.009150991	0.51/24
	4 0.017691917 2.0243012	90			
	# [1250] {pastry,			0.00450004	
	# whole milk}		=> {yogurt}	0.009150991	0.2/522
	4 0.033248602 1.9729451	90			
	# [1251] {whole milk,				
#	, ,	0.0	=> {pastry}	0.009150991	0.16333
	4 0.056024403 1.8359347	90			
	# [1252] {pastry,		. (0.000100001	0.20126
#		6.0	=> {other vegetables}	0.006100661	0.29126
	1 0.020945602 1.5052880	60			
	# [1253] {other vegetables,	,	(malla (huma)	0.000100001	0 27027
#		60	=> {rolls/buns}	0.006100661	0.27027
	3 0.022572445 1.4693798	60			
	# [1254] {other vegetables,	•	(magtwy)	0.006100661	0 14210
#	# rolls/buns} 1 0.042602949 1.6095465	60	=> {pastry}	0.006100661	0.14319
		שט			
#	# [1255] {pastry, # rolls/buns}		=> {whole milk}	0.008540925	0.40776
	0 0.020945602 1.5958569	84	-> (whole mick)	0.000340923	0.40770
	# [1256] {pastry,	U 4			
#			=> {rolls/buns}	0.008540925	0.25688
	7 0.033248602 1.3965849	84	=> (10 cts/bulls)	0.000540325	0.23000
	# [1257] {rolls/buns,	U T			
#			=> {pastry}	0.008540925	0.15080
	9 0.056634469 1.6950808	84	(basery)	0.000340323	0.13000
	# [1258] {other vegetables,				
#		1	=> {whole milk}	0.010574479	0.46846
		104	· (who co milen)	01010317713	31 100 40
	# [1259] {pastry,				
#			=> {other vegetables}	0.010574479	0.31804
		104	to and to so the sound to so	0.010071170	3.32001
-	2 1103210002 110430347				

	g	
## [1260] {other vegetables,	(maska)	0.010574470 0.14120
## whole milk}	=> {pastry}	0.010574479 0.14130
43 0.074834774 1.5882609 104		
## [1261] {bottled water,	(ath antable 2	0.005002004 0.27502
## citrus fruit}	<pre>=> {other vegetables}</pre>	0.005083884 0.37593
98 0.013523132 1.9429156 50		
## [1262] {citrus fruit,	61	0.00500004 0.47005
<pre>## other vegetables}</pre>	<pre>=> {bottled water}</pre>	0.005083884 0.17605
63 0.028876462 1.5929292 50		
## [1263] {bottled water,		
<pre>## other vegetables}</pre>	=> {citrus fruit}	0.005083884 0.20491
80 0.024809354 2.4758831 50		
## [1264] {bottled water,		
## citrus fruit}	=> {whole milk}	0.005897306 0.43609
02 0.013523132 1.7067041 58		
## [1265] {citrus fruit,		
## whole milk}	<pre>=> {bottled water}</pre>	0.005897306 0.19333
33 0.030503305 1.7492487 58		
## [1266] {bottled water,		
## whole milk}	<pre>=> {citrus fruit}</pre>	0.005897306 0.17159
76 0.034367056 2.0732957 58		
## [1267] {citrus fruit,		
## tropical fruit}	<pre>=> {root vegetables}</pre>	0.005693950 0.28571
43 0.019928826 2.6212687 56		
## [1268] {citrus fruit,		
## root vegetables}	<pre>=> {tropical fruit}</pre>	0.005693950 0.32183
91 0.017691917 3.0671389 56		
## [1269] {root vegetables,		
## tropical fruit}	<pre>=> {citrus fruit}</pre>	0.005693950 0.27053
14 0.021047280 3.2686441 56		
## [1270] {citrus fruit,		
## tropical fruit}	=> {yogurt}	0.006304016 0.31632
65 0.019928826 2.2675448 62		
## [1271] {citrus fruit,		
## yogurt}	<pre>=> {tropical fruit}</pre>	0.006304016 0.29107
98 0.021657346 2.7740019 62		
## [1272] {tropical fruit,		
## yogurt}	<pre>=> {citrus fruit}</pre>	0.006304016 0.21527
78 0.029283172 2.6010528 62	-	
## [1273] {citrus fruit,		
## tropical fruit}	<pre>=> {other vegetables}</pre>	0.009049314 0.45408
16 0.019928826 2.3467645 89		
## [1274] {citrus fruit,		
## other vegetables}	=> {tropical fruit}	0.009049314 0.31338
03 0.028876462 2.9865262 89		
## [1275] {other vegetables,		
## tropical fruit}	=> {citrus fruit}	0.009049314 0.25212
46 0.035892222 3.0462480 89	(31111111111111111111111111111111111111
## [1276] {citrus fruit,		
## tropical fruit}	=> {whole milk}	0.009049314 0.45408
16 0.019928826 1.7771161 89	· (who co mixery)	0.000040014 0.40400
## [1277] {citrus fruit,		
"" [IZII] (CICIUS IIUIC,		

## whole milk} 67 0.030503305 2.8272448 89	=> {tropical fruit}	0.009049314 0.29666
<pre>## [1278] {tropical fruit, ## whole milk} 23 0.042297916 2.5849172 89</pre>	=> {citrus fruit}	0.009049314 0.21394
<pre>## [1279] {citrus fruit, ## root vegetables} 69 0.017691917 3.0296084 102</pre>	=> {other vegetables}	0.010371124 0.58620
<pre>## [1280] {citrus fruit, ## other vegetables} 49 0.028876462 3.2950455 102</pre>	=> {root vegetables}	0.010371124 0.35915
<pre>## [1281] {other vegetables, ## root vegetables} 41 0.047381800 2.6446257 102</pre>	=> {citrus fruit}	0.010371124 0.21888
<pre>## [1282] {citrus fruit, ## root vegetables} 14 0.017691917 2.0243012 90</pre>	=> {whole milk}	0.009150991 0.51724
## [1283] {citrus fruit, ## whole milk} 00 0.030503305 2.7523321 90	=> {root vegetables}	0.009150991 0.30000
## [1284] {root vegetables, ## whole milk} 02 0.048906965 2.2607232 90	=> {citrus fruit}	0.009150991 0.18711
## [1285] {citrus fruit, ## yogurt} 56 0.021657346 1.4548930 57	=> {rolls/buns}	0.005795628 0.26760
## [1286] {citrus fruit, ## rolls/buns} 45 0.016776817 2.4763451 57	=> {yogurt}	0.005795628 0.34545
## [1287] {rolls/buns, ## yogurt} 91 0.034367056 2.0375492 57	=> {citrus fruit}	0.005795628 0.16863
## [1288] {citrus fruit, ## yogurt}	=> {other vegetables}	0.007625826 0.35211
27 0.021657346 1.8197731 75 ## [1289] {citrus fruit, ## other vegetables}	=> {yogurt}	0.007625826 0.26408
45 0.028876462 1.8930548 75 ## [1290] {other vegetables, ## yogurt}	=> {citrus fruit}	0.007625826 0.17564
40 0.043416370 2.1221855 75 ## [1291] {citrus fruit, ## yogurt}	=> {whole milk}	0.010269446 0.47417
84 0.021657346 1.8557678 101 ## [1292] {citrus fruit, ## whole milk}	=> {yogurt}	0.010269446 0.33666
67 0.030503305 2.4133503 101 ## [1293] {whole milk,		
## yogurt} 31 0.056024403 2.2147246 101 ## [1294] {citrus fruit,	=> {citrus fruit}	0.010269446 0.18330
## rolls/buns}	<pre>=> {other vegetables}</pre>	0.005998983 0.35757

5124,5.	T/ 1 1V1			Association rule mining		
	0.016776817 1.8480071	59				
	[1295] {citrus fruit,					
	other vegetables		=>	{rolls/buns}	0.005998983	0.20774
	0.028876462 1.1294564	59				
	[1296] {other vegetables,					
##	• •		=>	{citrus fruit}	0.005998983	0.14081
	0.042602949 1.7013276	59				
##	[1297] {citrus fruit,					
##			=>	{whole milk}	0.007219115	0.43030
	0.016776817 1.6840550	71				
##	[1298] {citrus fruit,					
##			=>	{rolls/buns}	0.007219115	0.23666
	0.030503305 1.2866869	71				
##	[1299] {rolls/buns,					
##			=>	{citrus fruit}	0.007219115	0.12746
86	0.056634469 1.5401149	71				
##	[1300] {citrus fruit,					
##	other vegetables]	+	=>	<pre>{whole milk}</pre>	0.013014743	0.45070
42	0.028876462 1.7638982	L28				
##	[1301] {citrus fruit,					
##	whole milk}		=>	{other vegetables}	0.013014743	0.42666
67	0.030503305 2.2050797	L28				
##	[1302] {other vegetables,	,				
##	whole milk}		=>	{citrus fruit}	0.013014743	0.17391
30	0.074834774 2.1012712	L28				
##	[1303] {sausage,					
##	shopping bags}		=>	{soda}	0.005693950	0.36363
64	0.015658363 2.0853432	56				
##	[1304] {shopping bags,					
##	soda}		=>	{sausage}	0.005693950	0.23140
50	0.024605999 2.4630604	56				
##	[1305] {sausage,					
##			=>	{shopping bags}	0.005693950	0.23430
96	0.024300966 2.3781580	56				
##	[1306] {sausage,					
##	shopping bags}		=>	<pre>{rolls/buns}</pre>	0.005998983	0.38311
69	0.015658363 2.0828936	59				
##	[1307] {rolls/buns,					
##			=>	{sausage}	0.005998983	0.30729
17	0.019522115 3.2707939	59		-		
##	[1308] {rolls/buns,					
##	-		=>	{shopping bags}	0.005998983	0.19601
	0.030604982 1.9894641	59		11 3 3 1		
	[1309] {sausage,	-				
##			=>	{other vegetables}	0.005388917	0.34415
	0.015658363 1.7786509	53				
	[1310] {other vegetables,					
##			=>	{sausage}	0.005388917	0.23245
	0.023182511 2.4742491	53				
	[1311] {other vegetables,					
##		,	=>	{shopping bags}	0.005388917	0.20000
	0.026944586 2.0299278	53	-	(2abb + 1a paga)	1.00000017	3.2000
1 90	01020377300 210233270	55				

512	т, э.т	1 141			Association rule infilling		
	##	<pre>[1312] {root vegetables,</pre>	65	=>	{other vegetables}	0.006609049	0.51587
	##	[1313] {other vegetables, shopping bags} 0.023182511 2.6155203		=>	{root vegetables}	0.006609049	0.28508
	## ##	[1314] {other vegetables, root vegetables} 0.047381800 1.4157222		=>	{shopping bags}	0.006609049	0.13948
	## ##	<pre>[1315] {root vegetables,</pre>		=>	{whole milk}	0.005287239	0.41269
	## ##	0.012811388 1.6151567 [1316] {shopping bags, whole milk}		=>	{root vegetables}	0.005287239	0.21576
		0.024504321 1.9795473 [1317] {root vegetables, whole milk}	52	=>	{shopping bags}	0.005287239	0.10810
		0.048906965 1.0972582 [1318] {shopping bags, soda}	52	=>	{rolls/buns}	0.006304016	0.25619
	83 ##	0.024605999 1.3928749 [1319] {rolls/buns,	62				
		shopping bags} 0.019522115 1.8518282 [1320] {rolls/buns,	62	=>	{soda}	0.006304016	0.32291
		soda} 0.038332486 1.6691714 [1321] {shopping bags,	62	=>	{shopping bags}	0.006304016	0.16445
	## 83	soda} 0.024605999 1.1318688 [1322] {other vegetables,	53	=>	{other vegetables}	0.005388917	0.21900
	## 61	shopping bags} 0.023182511 1.3330648	53	=>	{soda}	0.005388917	0.23245
	##	[1323] {other vegetables, soda} 0.032740214 1.6705927		=>	{shopping bags}	0.005388917	0.16459
	##	[1324] {shopping bags, soda} 0.024605999 1.0835309	67	=>	{whole milk}	0.006812405	0.27685
	##	[1325] {shopping bags, whole milk} 0.024504321 1.5942925	67	=>	{soda}	0.006812405	0.27800
	## ##	[1326] {soda, whole milk} 0.040061007 1.7259538		=>	{shopping bags}	0.006812405	0.17005
	## ##	[1327] {shopping bags, yogurt}		=>	{other vegetables}	0.005388917	0.35333
		<pre>0.015251652 1.8260816 [1328] {other vegetables,</pre>		=>	{yogurt}	0.005388917	0.23245
		0.023182511 1.6663310 [1329] {other vegetables,	53				

JI	2T, J.T	7 1 1 1 1 1			Association rule mining		
	##	yogurt}		=>	{shopping bags}	0.005388917	0.12412
	18	0.043416370 1.2597912	53				
	##	[1330] {shopping bags,					
	##	yogurt}		=>	{whole milk}	0.005287239	0.34666
	67	0.015251652 1.3567317	52				
		[1331] {shopping bags,					
	##	whole milk}		=>	{yogurt}	0.005287239	0.21576
			52				
		[1332] {rolls/buns,					
	##	shopping bags}		=>	{other vegetables}	0.005287239	0.27083
		0.019522115 1.3997088	52				
		[1333] {other vegetables,					
	##	shopping bags}		=>	{rolls/buns}	0.005287239	0.22807
		0.023182511 1.2399503	52				
		[1334] {other vegetables,				0.005207220	0 10110
	##	rolls/buns}		=>	{shopping bags}	0.005287239	0.12410
		0.042602949 1.2596210	52				
		[1335] {rolls/buns,			(la 1 + 1 .]	0 005207220	0 27002
	##	shopping bags} 0.019522115 1.0599466		=>	{whole milk}	0.005287239	0.27083
			52				
	##	<pre>[1336] {shopping bags, whole milk}</pre>			{rolls/buns}	0.005287239	0 21576
			52	_>	{TOCES/buils}	0.005267259	0.21370
		[1337] {other vegetables,					
	##	shopping bags}		_<	{whole milk}	0.007625826	0.32894
			75		(MID CE III CK)	0.00/023020	0.32094
		[1338] {shopping bags,	73				
	##	whole milk}		=>	{other vegetables}	0.007625826	0.31120
			75		(other vegetables)	01007025020	0131120
		[1339] {other vegetables,					
	##	whole milk}		=>	{shopping bags}	0.007625826	0.10190
		•	75		toopp=g sage;	0100702020	0110100
		[1340] {bottled water,					
	##	sausage}		=>	{other vegetables}	0.005083884	0.42372
	88	0.011997966 2.1898964	50				
	##	[1341] {other vegetables,					
	##	sausage}		=>	{bottled water}	0.005083884	0.18867
	92	0.026944586 1.7071393	50				
	##	[1342] {bottled water,					
	##	other vegetables}	- :	=>	{sausage}	0.005083884	0.20491
	80	0.024809354 2.1811351	50				
	##	[1343] {sausage,					
	##	tropical fruit}		=>	<pre>{other vegetables}</pre>	0.005998983	0.43065
	69	0.013929842 2.2257020	59				
	##	[1344] {other vegetables,					
	##	sausage}		=>	{tropical fruit}	0.005998983	0.22264
		0.026944586 2.1217822	59				
		[1345] {other vegetables,					
	##	tropical fruit}		=>	{sausage}	0.005998983	0.16713
			59				
		[1346] {sausage,					
	##	tropical fruit}		=>	{whole milk}	0.007219115	0.51824

51.	2 7 , J.7	7 1 1 1 1 1 1			Association fulc mining		
		0.013929842 2.0282415	71				
		[1347] {sausage,			(+	0 007210115	0 24140
	## 66	whole milk} 0.029893238 2.3014719	71	=>	{tropical fruit}	0.007219115	0.24149
		[1348] {tropical fruit,	/1				
	##	whole milk}		=>	{sausage}	0.007219115	0.17067
		0.042297916 1.8166339	71		(caacage,		
	##	[1349] {root vegetables,					
	##	sausage}		=>	{yogurt}	0.005185562	0.34693
	88	0.014946619 2.4869846	51				
		[1350] {sausage,					
	##	yogurt}		=>	<pre>{root vegetables}</pre>	0.005185562	0.26424
		0.019623793 2.4243340	51				
	##	<pre>[1351] {root vegetables,</pre>			{sausage}	0.005185562	0.20078
		0.025826131 2.1371689	51	-/	(Sausaye)	0.003103302	0.20070
		[1352] {root vegetables,	J1				
	##			=>	{other vegetables}	0.006812405	0.45578
	23	0.014946619 2.3555539	67		-		
	##	[1353] {other vegetables,	,				
	##	sausage}		=>	<pre>{root vegetables}</pre>	0.006812405	0.25283
		0.026944586 2.3195755	67				
		[1354] {other vegetables,	•		(0.000012405	0 14277
	##	root vegetables} 0.047381800 1.5303518	67	=>	{sausage}	0.006812405	0.14377
		[1355] {root vegetables,	07				
	##	sausage}		=>	{whole milk}	0.007727504	0.51700
		0.014946619 2.0233832	76		(who ce mirek)	01007727504	0131700
		[1356] {sausage,					
	##	whole milk}		=>	<pre>{root vegetables}</pre>	0.007727504	0.25850
		0.029893238 2.3716240	76				
		[1357] {root vegetables,					
	##	whole milk}		=>	{sausage}	0.007727504	0.15800
		0.048906965 1.6817867	76				
	##	[1358] {sausage, soda}			{yogurt}	0.005592272	0.23012
		0.024300966 1.6496243	55	-/	tyogur ty	0.003392272	0.23012
		[1359] {sausage,	33				
	##	yogurt}		=>	{soda}	0.005592272	0.28497
	41	0.019623793 1.6342392	55				
	##	[1360] {soda,					
	##	yogurt}		=>	{sausage}	0.005592272	0.20446
		0.027351296 2.1762701	55				
		[1361] {sausage,			facilia (hum. 3	0.000550005	0.00740
	## 05	soda} 0.024300966 2.1610335	95	=>	{rolls/buns}	0.009659380	0.39748
		[1362] {rolls/buns,	33				
	##	sausage}		=>	{soda}	0.009659380	0.31561
		0.030604982 1.8099532	95				,
		[1363] {rolls/buns,					
	##	soda}		=>	{sausage}	0.009659380	0.25198
	94	0.038332486 2.6821598	95				

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	##	[1364] {sausage,					
	##	soda}		=>	{other vegetables}	0.007219115	0.29707
	11	0.024300966 1.5353098	71				
	##	[1365] {other vegetables,					
	##	sausage}		=>	{soda}	0.007219115	0.26792
	45	0.026944586 1.5364652	71				
	##	[1366] {other vegetables,					
	##	soda}		=>	{sausage}	0.007219115	0.22049
	69	0.032740214 2.3469556	71				
	##	[1367] {sausage,					
	##	soda}		=>	{whole milk}	0.006710727	0.27615
	06	0.024300966 1.0807566	66				
	##	[1368] {sausage,					
	##	whole milk}		=>	{soda}	0.006710727	0.22448
	98	0.029893238 1.2873803	66				
	##	[1369] {soda,					
	##	whole milk}		=>	{sausage}	0.006710727	0.16751
	27	0.040061007 1.7829949	66				
	##	[1370] {sausage,					
	##	yogurt}		=>	{rolls/buns}	0.005998983	0.30569
	95	0.019623793 1.6619980	59				
	##	[1371] {rolls/buns,					
	##	sausage}		=>	{yogurt}	0.005998983	0.19601
	33	0.030604982 1.4050953	59				
	##	[1372] {rolls/buns,					
	##	yogurt}		=>	{sausage}	0.005998983	0.17455
	62	0.034367056 1.8579658	59				
	##	[1373] {sausage,					
	##	yogurt}		=>	{other vegetables}	0.008134215	0.41450
	78	0.019623793 2.1422406	80				
	##	[1374] {other vegetables,					
	##	sausage}		=>	{yogurt}	0.008134215	0.30188
	68	0.026944586 2.1640354	80				
	##	[1375] {other vegetables,					
	##	yogurt}		=>	{sausage}	0.008134215	0.18735
	36	0.043416370 1.9941807	80				
	##	[1376] {sausage,					
	##	yogurt}		=>	{whole milk}	0.008744281	0.44559
		0.019623793 1.7439058	86				
	##	[1377] {sausage,					
	##	whole milk}		=>	{yogurt}	0.008744281	0.29251
		0.029893238 2.0968694	86				
		[1378] {whole milk,					
	##	yogurt}		=>	{sausage}	0.008744281	0.15607
		0.056024403 1.6613045	86				
	##	[1379] {rolls/buns,					
	##	sausage}		=>	{other vegetables}	0.008845958	0.28903
	65	0.030604982 1.4937858	87				
	##	[1380] {other vegetables,					
	##	sausage}		=>	{rolls/buns}	0.008845958	0.32830
		0.026944586 1.7848806	87				
	##	[1381] {other vegetables,					

3/	24, 5:4	-/ PIVI			Association rule mining		
	##	rolls/buns}		=>	{sausage}	0.008845958	0.20763
		0.042602949 2.2100781	87				
		[1382] {rolls/buns,					
	##	sausage}		=>	{whole milk}	0.009354347	0.30564
		0.030604982 1.1961984	92				
		[1383] {sausage,					
	##	whole milk}		=>	{rolls/buns}	0.009354347	0.31292
		0.029893238 1.7012820	92				
		[1384] {rolls/buns,					
	##	whole milk}		=>	{sausage}	0.009354347	0.16517
		0.056634469 1.7580654	92				
	##	[1385] {other vegetables	5,				
	##	sausage}		=>	{whole milk}	0.010167768	0.37735
		0.026944586 1.4768487	100				
	##	[1386] {sausage,					
	##	whole milk}		=>	{other vegetables}	0.010167768	0.34013
	61	0.029893238 1.7578760	100				
	##	[1387] {other vegetables	5,				
	##	whole milk}		=>	{sausage}	0.010167768	0.13586
	96	0.074834774 1.4461874	100				
	##	[1388] {bottled water,					
	##	tropical fruit}		=>	{soda}	0.005185562	0.28021
	98	0.018505338 1.6069747	51				
	##	[1389] {bottled water,					
	##	soda}		=>	{tropical fruit}	0.005185562	0.17894
	74	0.028978139 1.7053754	51				
	##	[1390] {soda,					
	##	tropical fruit}		=>	{bottled water}	0.005185562	0.24878
	05	0.020843925 2.2509256	51				
	##	[1391] {bottled water,					
	##	tropical fruit}		=>	{yogurt}	0.007117438	0.38461
	54	0.018505338 2.7570644	70				
	##	[1392] {bottled water,					
	##	yogurt}		=>	{tropical fruit}	0.007117438	0.30973
	45	0.022979156 2.9517819	70				
	##	[1393] {tropical fruit,					
	##	yogurt}		=>	{bottled water}	0.007117438	0.24305
	56	0.029283172 2.1991273	70				
	##	[1394] {bottled water,					
	##	tropical fruit}		=>	<pre>{rolls/buns}</pre>	0.005388917	0.29120
	88	0.018505338 1.5832164	53				
	##	[1395] {bottled water,					
	##	rolls/buns}		=>	{tropical fruit}	0.005388917	0.22268
		0.024199288 2.1222355	53				
		[1396] {rolls/buns,					
	##	tropical fruit}		=>	{bottled water}	0.005388917	0.21900
	83	0.024605999 1.9815513	53				
	##	[1397] {bottled water,					
	##	tropical fruit}		=>	{other vegetables}	0.006202339	0.33516
		0.018505338 1.7321840	61				
	##	[1398] {bottled water,					
	##	other vegetable	s}	=>	{tropical fruit}	0.006202339	0.25000

51	2 7 , 3.7	7 1 141			Association fulc mining		
	00	0.024809354 2.3825097	61				
		[1399] {other vegetables,	,				
	## 45	tropical fruit} 0.035892222 1.5635074	61	=>	{bottled water}	0.006202339	0.1/280
		[1400] {bottled water,	61				
	##	tropical fruit}		=>	{whole milk}	0.008032537	0.43406
	59	0.018505338 1.6987817	79				
	##	[1401] {bottled water,					
	##	whole milk}		=>	{tropical fruit}	0.008032537	0.23372
		0.034367056 2.2274351	79				
		[1402] {tropical fruit,			{bottled water}	0 000033537	a 1000a
	## 32	whole milk} 0.042297916 1.7182193	79	=>	{bottled water}	0.008032537	0.18990
		[1403] {bottled water,	7 9				
	##	root vegetables}		=>	{other vegetables}	0.007015760	0.44805
	19	0.015658363 2.3156022	69		-		
	##	[1404] {bottled water,					
	##	other vegetables		=>	<pre>{root vegetables}</pre>	0.007015760	0.28278
		0.024809354 2.5944114	69				
	## ##	<pre>[1405] {other vegetables,</pre>	•		{bottled water}	0.007015760	0.14806
		0.047381800 1.3397013	69	-/	(bottled water)	0.00/013/00	0.14000
		[1406] {bottled water,	03				
	##	root vegetables}		=>	{whole milk}	0.007320793	0.46753
	25	0.015658363 1.8297580	72				
	##	[1407] {bottled water,					
	##	whole milk}		=>	<pre>{root vegetables}</pre>	0.007320793	0.21301
			72				
		<pre>[1408] {root vegetables, whole milk}</pre>			{bottled water}	0.007320793	0.14968
	## 21		72	=>	{bottled water}	0.00/320/93	0.14900
		[1409] {bottled water,	12				
	##	soda}		=>	{yogurt}	0.007422471	0.25614
	04	0.028978139 1.8361081	73				
	##	[1410] {bottled water,					
	##	yogurt}		=>	{soda}	0.007422471	0.32300
		0.022979156 1.8523569	73				
	## ##	[1411] {soda,			{bottled water}	0.007422471	0.27137
		yogurt} 0.027351296 2.4553613	73	-/	(bottled water)	0.00/4224/1	0.2/13/
		[1412] {bottled water,	75				
	##	soda}		=>	{rolls/buns}	0.006812405	0.23508
	77	0.028978139 1.2781027	67				
	##	[1413] {bottled water,					
	##	rolls/buns}		=>	{soda}	0.006812405	0.28151
		0.024199288 1.6143886	67				
	## ##	[1414] {rolls/buns, soda}			{bottled water}	0.006812405	0.17771
		0.038332486 1.6079712	67	_/	[Dottied waters	0.000012403	0:1///1
		[1415] {bottled water,	J.				
	##	soda}		=>	{other vegetables}	0.005693950	0.19649
	12	0.028978139 1.0154972	56				

3/2	24, 5:4	·/ PM			Association rule mining		
	##	[1416] {bottled water,					
	##	other vegetables}		=>	{soda}	0.005693950	0.22950
	82	0.024809354 1.3161593	56				
	##	[1417] {other vegetables,					
	##	soda}		=>	{bottled water}	0.005693950	0.17391
	30	0.032740214 1.5735371	56				
	##	[1418] {bottled water,					
	##	soda}		=>	{whole milk}	0.007524148	0.25964
	91	0.028978139 1.0161755	74				
	##	[1419] {bottled water,					
	##	whole milk}		=>	{soda}	0.007524148	0.21893
	49	0.034367056 1.2555247	74				
	##	[1420] {soda,					
	##	whole milk}		=>	{bottled water}	0.007524148	0.18781
	73	0.040061007 1.6993401	74				
	##	[1421] {bottled water,					
	##	yogurt}		=>	{rolls/buns}	0.007117438	0.30973
	45	0.022979156 1.6839353	70				
	##	[1422] {bottled water,					
	##	rolls/buns}		=>	{yogurt}	0.007117438	0.29411
	76	0.024199288 2.1083433	70				
	##	[1423] {rolls/buns,					
	##	yogurt}		=>	{bottled water}	0.007117438	0.20710
	06	0.034367056 1.8738126	70				
	##	[1424] {bottled water,					
	##	yogurt}		=>	{other vegetables}	0.008134215	0.35398
	23	0.022979156 1.8294356	80				
	##	[1425] {bottled water,					
	##	other vegetables}		=>	{yogurt}	0.008134215	0.32786
	89	0.024809354 2.3502844	80				
	##	[1426] {other vegetables,					
	##	yogurt}		=>	{bottled water}	0.008134215	0.18735
	36	0.043416370 1.6951453	80				
	##	[1427] {bottled water,					
	##	yogurt}		=>	{whole milk}	0.009659380	0.42035
	40	0.022979156 1.6451180	95				
	##	[1428] {bottled water,					
	##	whole milk}		=>	{yogurt}	0.009659380	0.28106
			95				
	##	[1429] {whole milk,					
	##	yogurt}		=>	{bottled water}	0.009659380	0.17241
			95				
	##	[1430] {bottled water,					
	##	rolls/buns}		=>	<pre>{other vegetables}</pre>	0.007320793	0.30252
			72				
	##	[1431] {bottled water,					
	##	other vegetables}		=>	{rolls/buns}	0.007320793	0.29508
			72				
		[1432] {other vegetables,					
	##	rolls/buns}		=>	{bottled water}	0.007320793	0.17183
			72				
	##	[1433] {bottled water,					
- 1							

##	rolls/buns}		{whole milk}	0.008744281	0.36134
	0.024199288 1.4141757 86				
	<pre>[1434] {bottled water, whole milk}</pre>		(rolls/buns)	0.008744281	0 25442
## 79	0.034367056 1.3833037 86		{rolls/buns}	0.000/44201	0.25445
	[1435] {rolls/buns,				
##	whole milk}	=>	{bottled water}	0.008744281	0.15439
86	0.056634469 1.3969732 86				
##	[1436] {bottled water,				
##	other vegetables}		{whole milk}	0.010777834	0.43442
	0.024809354 1.7001918 106				
	[1437] {bottled water,		[athantab]]	0.010777024	0 21260
## 05	whole milk} 0.034367056 1.6207825 106		{other vegetables}	0.010777834	0.31300
	[1438] {other vegetables,				
##	whole milk}	=>	{bottled water}	0.010777834	0.14402
	0.074834774 1.3030854 106		,		
##	[1439] {root vegetables,				
##	tropical fruit}	=>	{yogurt}	0.008134215	0.38647
	0.021047280 2.7703835 80				
	[1440] {tropical fruit,				
##	yogurt}		<pre>{root vegetables}</pre>	0.008134215	0.27777
	0.029283172 2.5484556 80				
##	<pre>[1441] {root vegetables,</pre>	_~	{tropical fruit}	0.008134215	0 21/06
	0.025826131 3.0015870 80		(Cropical Truit)	0.000134213	0.31490
	[1442] {root vegetables,				
##	tropical fruit}	=>	{rolls/buns}	0.005897306	0.28019
32	0.021047280 1.5233281 58				
##	[1443] {rolls/buns,				
##	tropical fruit}		<pre>{root vegetables}</pre>	0.005897306	0.23966
	0.024605999 2.1988328 58				
	[1444] {rolls/buns,		(+manian) famit)	0 005007206	0 24267
## 78	root vegetables} 0.024300966 2.3127291 58		{tropical fruit}	0.005897306	0.24267
	[1445] {root vegetables,				
##	tropical fruit}	=>	{other vegetables}	0.012302999	0.58454
11	0.021047280 3.0209991 121				
##	[1446] {other vegetables,				
##	tropical fruit}	=>	<pre>{root vegetables}</pre>	0.012302999	0.34277
	0.035892222 3.1447798 121				
	[1447] {other vegetables,		6		
## 67	root vegetables}		{tropical fruit}	0.012302999	0.25965
	0.047381800 2.4745380 121 [1448] {root vegetables,				
##	tropical fruit}	=>	{whole milk}	0.011997966	0.57004
	0.021047280 2.2309690 118			3.02233,300	2.3.001
	[1449] {tropical fruit,				
##	whole milk}	=>	<pre>{root vegetables}</pre>	0.011997966	0.28365
	0.042297916 2.6023653 118				
	[1450] {root vegetables,				
##	whole milk}	=>	{tropical fruit}	0.011997966	0.24532

3/2	4, 5:4	F/ PIVI		Association rule mining		
	22	0.048906965 2.3379305	118			
		[1451] {soda,				
	##	tropical fruit}		=> {yogurt}	0.006609049	0.31707
		0.020843925 2.2728970	65			
		[1452] {tropical fruit,				
	##	yogurt}		=> {soda}	0.006609049	0.22569
		0.029283172 1.2942885	65			
		[1453] {soda,		6	0.000000000	0 04460
	##	yogurt}	C.F.	<pre>=> {tropical fruit}</pre>	0.006609049	0.24163
		0.027351296 2.3027975	65			
	##	<pre>[1454] {soda,</pre>		=> {rolls/buns}	0.005388917	a 25052
		0.020843925 1.4055872	53	-> {IOCCS/buils}	0.000300917	0.23033
		[1455] {rolls/buns,))			
	##			=> {soda}	0.005388917	0.21900
		0.024605999 1.2559454	53	_, (30da)	01003300317	0121300
		[1456] {rolls/buns,				
	##	soda}		<pre>=> {tropical fruit}</pre>	0.005388917	0.14058
		0.038332486 1.3397667	53	(0.002000020)		012.000
		[1457] {soda,				
	##	tropical fruit}		<pre>=> {other vegetables}</pre>	0.007219115	0.34634
	15	0.020843925 1.7899466	71	-		
	##	[1458] {other vegetable	s,			
	##	tropical fruit}		=> {soda}	0.007219115	0.20113
	31	0.035892222 1.1534370	71			
	##	[1459] {other vegetable	s,			
	##	soda}		<pre>=> {tropical fruit}</pre>	0.007219115	0.22049
		0.032740214 2.1013440	71			
	##	[1460] {soda,				
	##	tropical fruit}		=> {whole milk}	0.007829181	0.37560
		0.020843925 1.4700048	77			
		[1461] {tropical fruit,		6 13		
		whole milk}		=> {soda}	0.007829181	0.18509
		0.042297916 1.0614698	77			
		[1462] {soda,		(+manical fmuit)	0 007020101	0 10543
	## 15	whole milk} 0.040061007 1.8624695	77	<pre>=> {tropical fruit}</pre>	0.007829181	U.19543
		[1463] {tropical fruit,				
	##	·		=> {rolls/buns}	0.008744281	a 20861
		0.029283172 1.6234606	86	=> (10 ccs) buils)	01000744201	0123001
		[1464] {rolls/buns,	00			
	##			=> {yogurt}	0.008744281	0.35537
		0.024605999 2.5474363	86	c, og a. e,	01000711202	
		[1465] {rolls/buns,				
	##			<pre>=> {tropical fruit}</pre>	0.008744281	0.25443
	79	0.034367056 2.4248028	86	•		
	##	[1466] {tropical fruit,				
	##	yogurt}		<pre>=> {other vegetables}</pre>	0.012302999	0.42013
	89	0.029283172 2.1713431	121			
	##	[1467] {other vegetable	s,			
	##	tropical fruit}		=> {yogurt}	0.012302999	0.34277
	62	0.035892222 2.4571457	121			
- 1						

JI	24, 3.47 I WI				Association rule mining		
		{other vegetable	S,		f		
	## 24 0 04241	yogurt} L6370 2.7005496	101	=>	{tropical fruit}	0.012302999	0.28337
			121				
	## [1409] ##	<pre>{tropical fruit, yogurt}</pre>			{whole milk}	0.015149975	0 51736
		33172 2.0247698	149		(whole mitty)	0.013149973	0.31/30
		{tropical fruit,	149				
	##	whole milk}		=>	{yogurt}	0.015149975	0.35817
		97916 2.5675162	149		tyoga. ty	01013113373	0133017
		{whole milk,					
	##	yogurt}		=>	{tropical fruit}	0.015149975	0.27041
	74 0.05602	24403 2.5770885	149		•		
	## [1472]	{rolls/buns,					
	##	tropical fruit}		=>	{other vegetables}	0.007829181	0.31818
	18 0.02460	05999 1.6444131	77				
	## [1473]	{other vegetable	S,				
	##	tropical fruit}		=>	<pre>{rolls/buns}</pre>	0.007829181	0.21813
		92222 1.1859102	77				
		{other vegetable	S,				
	##	rolls/buns}		=>	{tropical fruit}	0.007829181	0.18377
		02949 1.7513436	77				
		{rolls/buns,			{whole milk}	0 010001100	0.44628
	## 10 0 02460	tropical fruit} 05999 1.7465872	108	=>	{whote mitk}	0.010981190	0.44020
		{tropical fruit,	100				
	## [1470] ##	whole milk}		->	{rolls/buns}	0.010981190	0.25961
		97916 1.4114524	108		(10 c cs/ bulls)	0.010301130	0.23301
		{rolls/buns,	100				
	##	whole milk}		=>	{tropical fruit}	0.010981190	0.19389
		34469 1.8478352	108				
	## [1478]	{other vegetable	s,				
	##	tropical fruit}		=>	{whole milk}	0.017081851	0.47592
	07 0.03589	92222 1.8625865	168				
	## [1479]	{tropical fruit,					
	##	whole milk}		=>	{other vegetables}	0.017081851	0.40384
		97916 2.0871397	168				
		{other vegetable	S,		6	0.0470000	0.00000
	##	whole milk}	160	=>	{tropical fruit}	0.017081851	0.22826
		34774 2.1753349	168				
		<pre>{root vegetables soda}</pre>	,	_\	Jothor vogotoblock	0.008235892	0.44262
	## 30 0 01860	soda; 07016 2.2875443	81	<i>=></i>	<pre>{other vegetables}</pre>	U.WOZJJ89Z	v.44∠0∠
		{other vegetable					
	## [1402] ##	root vegetables	-	=>	{soda}	0.008235892	0.17381
		31800 0.9968030	, 81	-		11000002	
		{other vegetable	_				
	##	soda}	-	=>	<pre>{root vegetables}</pre>	0.008235892	0.25155
		10214 2.3078561	81				
	## [1484]	{root vegetables	,				
	##	soda}		=>	{whole milk}	0.008134215	0.43715
	85 0.01860	7016 1.7108848	80				
	## [1485]	{root vegetables	,				

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##	t whole milk}	=>	{soda}	0.008134215	0.16632
02	0.048906965 0.9537952	0			
##	^t [1486] {soda,				
##	t whole milk}	=>	<pre>{root vegetables}</pre>	0.008134215	0.20304
57	0.040061007 1.8628305	0			
##	[1487] {root vegetables,				
##	t yogurt}	=>	<pre>{rolls/buns}</pre>	0.007219115	0.27952
76	0.025826131 1.5197090	1			
##	[‡] [1488] {rolls/buns,				
##	root vegetables}	=>	{yogurt}	0.007219115	0.29707
11	0.024300966 2.1295150	1			
##	^t [1489] {rolls/buns,				
##	yogurt}	=>	<pre>{root vegetables}</pre>	0.007219115	0.21005
92		1	-		
##	[1490] {root vegetables,				
##	•	=>	{other vegetables}	0.012913066	0.50000
00	0.025826131 2.5840778 12		3		
	[1491] {other vegetables,				
##		=>	{yogurt}	0.012913066	0.27253
	2 0.047381800 1.9536108 12			0101101000	012720
	f [1492] {other vegetables,	,			
##	_	=>	<pre>{root vegetables}</pre>	0.012913066	0.29742
	0.043416370 2.7286977 12		(Took vegetables)	01012515000	0123742
	[1493] {root vegetables,	,			
##		->	{whole milk}	0.014539908	0.56299
	. 0.025826131 2.2033536 14		(WHO CE III ER)	0.014333300	0.30233
	f [1494] {root vegetables,	3			
##		=>	{yogurt}	0.014539908	0.29729
	3 0.048906965 2.1311362 14		tyogur ty	01014333300	0123723
	t [1495] {whole milk,	5			
##			<pre>{root vegetables}</pre>	0.014539908	0.25952
	. 0.056024403 2.3810253 14		(Toot vegetables)	0.014339900	0.23332
	t [1496] {rolls/buns,	9			
##			{other vegetables}	0.012201322	0 50200
	. 0.024300966 2.5948898 12		(other vegetables)	0.012201322	0.30203
##		·			
##		->	{rolls/buns}	0.012201322	0.25751
	0.047381800 1.4000100 12		(10 cts/bulls)	0.012201322	0.23/31
##		0			
##	· · · · · · · · · · · · · · · · · · ·	->	<pre>{root vegetables}</pre>	0.012201322	0.28639
	2 0.042602949 2.6275247 12		(Took vegetables)	0.012201322	0.20033
-	t [1499] {rolls/buns,	U			
##		->	{whole milk}	0.012709710	0.52301
	6 0.024300966 2.0468876 12		(MILOCC HITCK)	0.017/03/10	0.JCJ0I
##		5			
##		-~	{rolls/buns}	0.012709710	0.25987
	3 0.048906965 1.4128652 12		(10 CC3/ DU113)	01012/03/10	0123307
##		.			
##		-~	<pre>{root vegetables}</pre>	0.012709710	0.22441
	who te mitk? 5 0.056634469 2.0588959 12		(Took vegetables)	0.017/03/10	v .∠∠441
	t [1502] {other vegetables,	.			
111			{whole milk}	0.023182511	0.48927
##	t root vegetables}			*** ***	VI - HOM//

5127,	J. 7 / 1 W1			Association rule mining		
(0.047381800 1.9148326	228				
	# [1503] {root vegetables,	,	_			
	## whole milk}		=> {0	ther vegetables}	0.023182511	0.47401
	25 0.048906965 2.4497702	228				
	## [1504] {other vegetables	5,			0.000400544	
	## whole milk}	220	=> {r	oot vegetables}	0.023182511	0.30978
	26 0.074834774 2.8420820	228				
	# [1505] {soda,		[_	colle/bunel	0 000642602	0 21500
	## yogurt} 51 0.027351296 1.7179181	85	=> {1	olls/buns}	0.008642603	0.31398
	# [1506] {rolls/buns,	65				
	# [1500] (10003/bulls, # soda}		=> {v	ogurt}	0.008642603	0.22546
	2 0.038332486 1.6162101	85		ogai ej	01000042003	0122540
	## [1507] {rolls/buns,	03				
	## yogurt}		=> {s	oda}	0.008642603	0.25147
	03 0.034367056 1.4421567	85				
#	# [1508] {soda,					
	t# yogurt}		=> {o	ther vegetables}	0.008337570	0.30483
2	27 0.027351296 1.5754229	82		_		
#	# [1509] {other vegetables	5,				
#	## soda}		=> {y	ogurt}	0.008337570	0.25465
8	34 0.032740214 1.8254849	82				
#	# [1510] {other vegetables	5,				
	## yogurt}		=> {s	oda}	0.008337570	0.19203
7	75 0.043416370 1.1012761	82				
#	# [1511] {soda,					
	## yogurt}		=> {w	hole milk}	0.010472801	0.38289
	06 0.027351296 1.4985348	103				
	# [1512] {soda,		_	_		
	## whole milk}		=> {y	ogurt}	0.010472801	0.26142
	3 0.040061007 1.8739641	103				
	# [1513] {whole milk,		r		0.040472004	0.40000
	## yogurt}	400	=> {s	oda}	0.010472801	0.18693
	28 0.056024403 1.0720027	103				
	# [1514] {rolls/buns,		_, [,	+hor	0 000063735	A 25720
	## soda} 44 0.038332486 1.3297376	97	=> {0	ther vegetables}	0.009862735	0.25729
	# [1515] {other vegetables					
	# [1313] {Other vegetables	· ,	-> {r	olls/buns}	0.009862735	0.30124
	22 0.032740214 1.6377653	97	-/ (1	o cts/ bulls j	0.009002733	0.30124
	# [1516] {other vegetables					
	# rolls/buns}	,	=> {s	oda}	0.009862735	0.23150
	36 0.042602949 1.3276022	97	, (3	caa,	0.003002733	0123230
	## [1517] {rolls/buns,	3.				
	## soda}		=> {w	hole milk}	0.008845958	0.23076
	02 0.038332486 0.9031498	87	•	-		
	## [1518] {soda,					
	## whole milk}		=> {r	olls/buns}	0.008845958	0.22081
2	22 0.040061007 1.2004908	87				
#	# [1519] {rolls/buns,					
#	## whole milk}		=> {s	oda}	0.008845958	0.15619
3	9 0.056634469 0.8957242	87				

,					
	[1520] {other vegetables,		() 7 () 1 ()	0.042020042	0 42546
##			{whole milk}	0.013929842	0.42546
		37			
##	[1521] {soda, whole milk}		{other vegetables}	0.013929842	0 2/771
		> 37	(other vegetables)	0.013929042	0.34//1
	[1522] {other vegetables,				
##	· ·		{soda}	0.013929842	0 1961 <i>1</i>
		 37	(Soua)	0.013929042	0.10014
	[1523] {rolls/buns,	57			
##	·	->	{other vegetables}	0.011489578	0 33431
		13	(other vegetables)	01011403370	0.33431
	[1524] {other vegetables,				
##			<pre>{rolls/buns}</pre>	0.011489578	0.26463
		13	(10113)	01011103370	0120.03
	[1525] {other vegetables,				
##	•	=>	{yogurt}	0.011489578	0.26968
		13	() og a. c,	01011	0.12000
	[1526] {rolls/buns,				
##		=>	{whole milk}	0.015556685	0.45266
		53			
##	[1527] {whole milk,				
##	-	=>	<pre>{rolls/buns}</pre>	0.015556685	0.27767
70		53			
##	[1528] {rolls/buns,				
##	whole milk}	=>	{yogurt}	0.015556685	0.27468
58	0.056634469 1.9690488 1	53			
##	[1529] {other vegetables,				
##	yogurt}	=>	{whole milk}	0.022267412	0.51288
06	0.043416370 2.0072345 2	19			
##	[1530] {whole milk,				
##	, ,	=>	{other vegetables}	0.022267412	0.39745
92		19			
##	,				
##	•		{yogurt}	0.022267412	0.29755
		19			
##	,		6.1.7		
##	•		{whole milk}	0.017895272	0.42004
		76			
	[1533] {rolls/buns,		f	0.047005070	0 24507
##	_		<pre>{other vegetables}</pre>	0.017895272	0.3159/
		76			
	<pre>[1534] {other vegetables, whole milk}</pre>		{rolls/buns}	a a1700E272	a 22012
##			(10tts/bulls)	0.017895272	0.23913
	0.074834774 1.3000817 1 [1535] {fruit/vegetable j	76 Jice			
##	•	итсе,			
##		-~	{whole milk}	0.005083884	0.61728
		50	(WILD CC III LIK)	010000004	0101/20
	[1536] {fruit/vegetable j				
##		u±00,			
##		=>	{other vegetables}	0.005083884	0.53763
it it	yogur cy		(other regulation)	010000000	3.33703

JI	24, 3.4	7 1 141	Association fulc mining		
	44	0.009456024 2.7785782 50			
	##	[1537] {fruit/vegetable juice,			
	##	other vegetables,			
	##	whole milk}	=> {yogurt}	0.005083884	0.48543
		0.010472801 3.4797900 50			
		[1538] {other vegetables,			
	##	whole milk,			
	##	yogurt}	<pre>=> {fruit/vegetable juice}</pre>	0.005083884	0.22831
		0.022267412 3.1581347 50			
		[1539] {other vegetables,			
	##	root vegetables,	6		
	##	whipped/sour cream}	=> {whole milk}	0.005185562	0.60714
		0.008540925 2.3761441 51			
		[1540] {root vegetables,			
	##	whipped/sour cream,	- (ather verstables)	0 005105560	A E4020
	##	whole milk}	<pre>=> {other vegetables}</pre>	0.005185562	0.54838
		0.009456024 2.8341498 51			
		[1541] {other vegetables,			
	##	whipped/sour cream, whole milk}	<pre>=> {root vegetables}</pre>	0.005185562	0.35416
		0.014641586 3.2492809 51	-> {loot vegetables}	0.003103302	0.33410
		[1542] {other vegetables,			
	##	root vegetables,			
	##	whole milk}	<pre>=> {whipped/sour cream}</pre>	0.005185562	0.22368
		0.023182511 3.1204741 51	(milpped, sour eream,	0.003103301	0.22500
		[1543] {other vegetables,			
	##	whipped/sour cream,			
	##	yogurt}	=> {whole milk}	0.005592272	0.55000
	00	0.010167768 2.1525070 55			
	##	[1544] {whipped/sour cream,			
	##	whole milk,			
	##	yogurt}	<pre>=> {other vegetables}</pre>	0.005592272	0.51401
	87	0.010879512 2.6565286 55			
	##	[1545] {other vegetables,			
	##	whipped/sour cream,			
	##	whole milk}	=> {yogurt}	0.005592272	0.38194
	44	0.014641586 2.7379181 55			
	##	[1546] {other vegetables,			
	##	whole milk,			
	##	yogurt}	<pre>=> {whipped/sour cream}</pre>	0.005592272	0.25114
		0.022267412 3.5035137 55			
	##	[1547] {other vegetables,			
	##	pip fruit,	(. d. 1	0.005400505	0 67500
	##	root vegetables}	=> {whole milk}	0.005490595	0.67500
		0 000124215 2 0417121 54			
	00	0.008134215 2.6417131 54			
	00 ##	[1548] {pip fruit,			
	00 ## ##	[1548] {pip fruit, root vegetables,	-> Sother wordtables	0 005100505	A 61262
	00 ## ## ##	<pre>[1548] {pip fruit, root vegetables, whole milk}</pre>	=> {other vegetables}	0.005490595	0.61363
	00 ## ## ## 64	<pre>[1548] {pip fruit,</pre>	=> {other vegetables}	0.005490595	0.61363
	00 ## ## ## 64 ##	<pre>[1548] {pip fruit,</pre>	=> {other vegetables}	0.005490595	0.61363
	00 ## ## ## 64	<pre>[1548] {pip fruit,</pre>	<pre>=> {other vegetables} => {root vegetables}</pre>	0.005490595 0.005490595	0.61363 0.40601

<i>J</i> 1.	24, Э.т	/ 1 IVI			Association fulc mining		
	50	0.013523132 3.7249607	54				
	##	[1550] {other vegetables,					
	##	root vegetables,					
	##	whole milk}	- 4	=>	{pip fruit}	0.005490595	0.23684
		0.023182511 3.1308362	54				
		[1551] {other vegetables,					
	##	pip fruit,			(ubala milk)	0 005000004	0 62500
	##	yogurt}	E O	=>	{whole milk}	0.005083884	0.62500
		0.008134215 2.4460306	50				
	##	[1552] {pip fruit, whole milk,					
	##	yogurt}		=>	{other vegetables}	0.005083884	0.53191
		0.009557702 2.7490189	50		(other vegetables)	01003003004	0133131
		[1553] {other vegetables,					
	##	pip fruit,					
	##	whole milk}		=>	{yogurt}	0.005083884	0.37593
	98	0.013523132 2.6948749	50				
	##	[1554] {other vegetables,					
	##	whole milk,					
	##	yogurt}		=>	<pre>{pip fruit}</pre>	0.005083884	0.22831
		0.022267412 3.0180562	50				
	##	[1555] {citrus fruit,					
	##	other vegetables,					
	##	root vegetables}		=>	{whole milk}	0.005795628	0.55882
		0.010371124 2.1870392	57				
		[1556] {citrus fruit,					
	##	<pre>root vegetables, whole milk}</pre>			(a+ba-+-b1)	0 005705000	a (2222
	##	•	E 7	=>	{other vegetables}	0.005795628	0.63333
		0.009150991 3.2731652 [1557] {citrus fruit,	57				
	##	other vegetables,					
	##	whole milk}		=>	<pre>{root vegetables}</pre>	0.005795628	0.44531
		0.013014743 4.0854929	57		[Foot vegetables]	0.003733020	0111331
		[1558] {other vegetables,	_				
	##	root vegetables,					
	##	whole milk}		=>	{citrus fruit}	0.005795628	0.25000
	00	0.023182511 3.0205774	57				
	##	[1559] {root vegetables,					
	##	tropical fruit,					
	##	yogurt}		=>	{whole milk}	0.005693950	0.70000
		0.008134215 2.7395543	56				
		[1560] {root vegetables,					
	##	tropical fruit,					0 47457
	##	whole milk}	F.C.	=>	{yogurt}	0.005693950	0.47457
		0.011997966 3.4019370	56				
	## ##	[1561] {tropical fruit,					
	## ##	whole milk, yogurt}			<pre>{root vegetables}</pre>	0.005693950	0.37583
		0.015149975 3.4481118	56	-/	(1000 vegetables)	01000000000	013/303
		[1562] {root vegetables,	50				
	##	whole milk,					
	##	yogurt}		=>	{tropical fruit}	0.005693950	0.39160
		, - g y					

JI	2 - 7, 37	/ 1 1/1			Association rule mining		
	84	0.014539908 3.7320432	56				
		[1563] {other vegetables,					
	##	root vegetables,			6.1.3	0.007045760	0 57004
	## 70	tropical fruit} 0.012302999 2.2317503	69	=>	{whole milk}	0.007015760	0.57024
		[1564] {root vegetables,	09				
	##	tropical fruit,					
	##	whole milk}		=>	{other vegetables}	0.007015760	0.58474
		0.011997966 3.0220571	69		(other vegetables)	0.007013700	0130171
		[1565] {other vegetables,					
	##	tropical fruit,					
	##	whole milk}		=>	<pre>{root vegetables}</pre>	0.007015760	0.41071
	43	0.017081851 3.7680737	69		-		
	##	[1566] {other vegetables,					
	##	root vegetables,					
	##	whole milk}		=>	{tropical fruit}	0.007015760	0.30263
		0.023182511 2.8840907	69				
		[1567] {other vegetables,					
	##	tropical fruit,					
	##	yogurt}		=>	{whole milk}	0.007625826	0.61983
		0.012302999 2.4258155	75				
	##	[1568] {tropical fruit, whole milk,					
	##	yogurt}			{other vegetables}	0.007625826	0.50335
		0.015149975 2.6014206	75		(other vegetables)	0.00/023020	0.30333
		[1569] {other vegetables,					
	##	tropical fruit,					
	##	whole milk}		=>	{yogurt}	0.007625826	0.44642
	86	0.017081851 3.2001640	75		1, 3		
	##	[1570] {other vegetables,					
	##	whole milk,					
	##	yogurt}		=>	{tropical fruit}	0.007625826	0.34246
	58	0.022267412 3.2637119	75				
		[1571] {other vegetables,					
	##	root vegetables,					
	##	yogurt}		=>	{whole milk}	0.007829181	0.60629
		0.012913066 2.3728423	77				
	## ##	[1572] {root vegetables, whole milk,					
	##	yogurt}			{other vegetables}	0.007829181	0.53846
		0.014539908 2.7828530	77		(other vegetables)	0.00/029101	0.33040
	##	[1573] {other vegetables,					
	##	root vegetables,					
	##	whole milk}		=>	{yogurt}	0.007829181	0.33771
	93	0.023182511 2.4208960	77				
	##	[1574] {other vegetables,					
	##	whole milk,					
	##	yogurt}		=>	<pre>{root vegetables}</pre>	0.007829181	0.35159
		0.022267412 3.2257165	77				
		[1575] {other vegetables,					
	##	rolls/buns,			6.1.3	0.00000000	0 50000
	##	root vegetables}		=>	{whole milk}	0.006202339	0.50833

```
33 0.012201322 1.9894383
                            61
## [1576] {rolls/buns,
##
           root vegetables,
##
           whole milk}
                                       => {other vegetables}
                                                                      0.006202339 0.48800
00 0.012709710 2.5220599
                            61
##
  [1577] {other vegetables,
##
           root vegetables,
##
           whole milk}
                                       => {rolls/buns}
                                                                      0.006202339 0.26754
39 0.023182511 1.4545571
                            61
## [1578] {other vegetables,
##
           rolls/buns,
##
           whole milk}
                                       => {root vegetables}
                                                                      0.006202339 0.34659
09 0.017895272 3.1797776
                             61
## [1579] {other vegetables,
##
           rolls/buns,
                                       => {whole milk}
##
           yogurt}
                                                                      0.005998983 0.52212
39 0.011489578 2.0434097
                             59
## [1580] {rolls/buns.
##
           whole milk,
##
           voaurt}
                                       => {other vegetables}
                                                                      0.005998983 0.38562
09 0.015556685 1.9929489
                             59
##
  [1581] {other vegetables.
##
           whole milk,
                                       => {rolls/buns}
##
           yogurt}
                                                                      0.005998983 0.26940
64 0.022267412 1.4646832
                             59
## [1582] {other vegetables,
##
           rolls/buns,
                                       => {yogurt}
##
           whole milk}
                                                                      0.005998983 0.33522
73 0.017895272 2.4030322
                             59
```

```
# Convert rules to data frame
grocery_rules_df <- as(grocery_rules, "data.frame")
# Inspect the first few rules
head(grocery_rules_df)</pre>
```

```
##
                       rules
                               support confidence coverage lift count
       {} => {bottled water} 0.1105236  0.1105236
                                                                 1087
     {} => {tropical fruit} 0.1049314 0.1049314
                                                         1
                                                                 1032
## 3 {} => {root vegetables} 0.1089985 0.1089985
                                                              1 1072
                                                         1
## 4
                {} => {soda} 0.1743772 0.1743772
                                                         1
                                                              1 1715
              {} => {yogurt} 0.1395018 0.1395018
## 5
                                                         1
                                                                 1372
                                                              1
## 6
          {} => {rolls/buns} 0.1839349 0.1839349
                                                         1
                                                              1 1809
```

```
head(high_confidence_rules)
```

```
##
                                                 rules
                                                           support confidence
## 766 {onions,root vegetables} => {other vegetables} 0.005693950
                                                                    0.6021505
## 856
                {curd, tropical fruit} => {whole milk} 0.006507372
                                                                    0.6336634
## 950
            {domestic eggs,margarine} => {whole milk} 0.005185562
                                                                    0.6219512
## 971
               {butter,domestic eggs} => {whole milk} 0.005998983
                                                                    0.6210526
          {butter,whipped/sour cream} => {whole milk} 0.006710727
## 977
                                                                    0.6600000
## 983
               {bottled water,butter} => {whole milk} 0.005388917
                                                                    0.6022727
##
          coverage
                       lift count
## 766 0.009456024 3.112008
                               56
## 856 0.010269446 2.479936
                               64
## 950 0.008337570 2.434099
                               51
## 971 0.009659380 2.430582
                               59
## 977 0.010167768 2.583008
                               66
## 983 0.008947636 2.357084
                               53
```

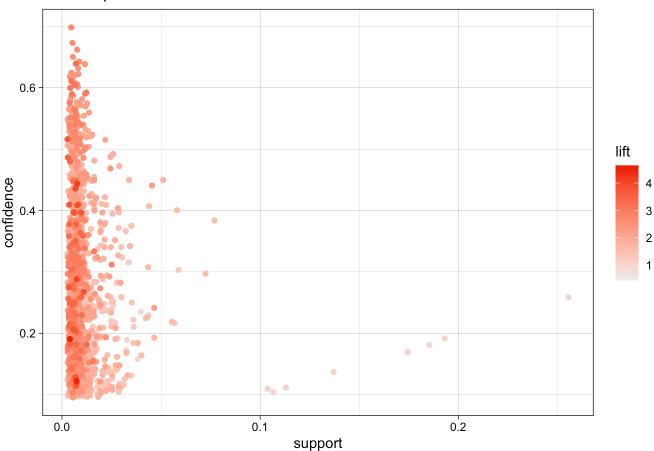
head(high lift confidence rules)

```
## [1] rules support confidence coverage lift count
## <0 rows> (or 0-length row.names)
```

```
# Plot the rules in (support, confidence) space
plot(grocery_rules)
```

```
## To reduce overplotting, jitter is added! Use jitter = 0 to prevent jitter.
```

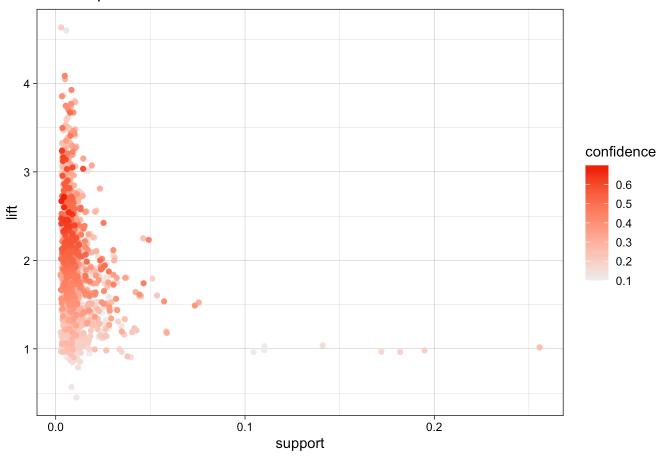
Scatter plot for 1582 rules



```
# Alternative plots
plot(grocery_rules, measure = c("support", "lift"), shading = "confidence")
```

To reduce overplotting, jitter is added! Use jitter = 0 to prevent jitter.

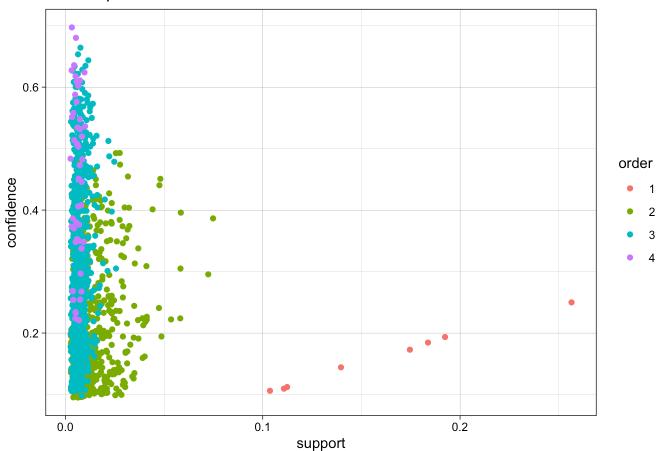
Scatter plot for 1582 rules



plot(grocery_rules, method='two-key plot')

To reduce overplotting, jitter is added! Use jitter = 0 to prevent jitter.

Scatter plot for 1582 rules



```
# Graph-based visualization
grocery_graph <- associations2igraph(subset(grocery_rules, lift > 4), associationsAsNode
s = FALSE)
igraph::write_graph(grocery_graph, file='grocery_rules.graphml', format = "graphml")
```

The analysis of grocery shopping patterns revealed strong connections between certain items, particularly those involving root vegetables, fruits, and whole milk. For example, when shoppers buy root vegetables along with citrus or tropical fruits, there is a significantly higher likelihood that they will also purchase other vegetables, with a lift exceeding 3. Additionally, for lifts above 2, products like butter, whipped/sour cream, and eggs are bought together with whole milk. Therefore, it's recommended to implement cross promotions and store layouts that place vegetables with fruits or dairy products close to each other to encourage sales. This approach will help increase overall sales.