

Association rule mining

4Guys

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Association rule mining

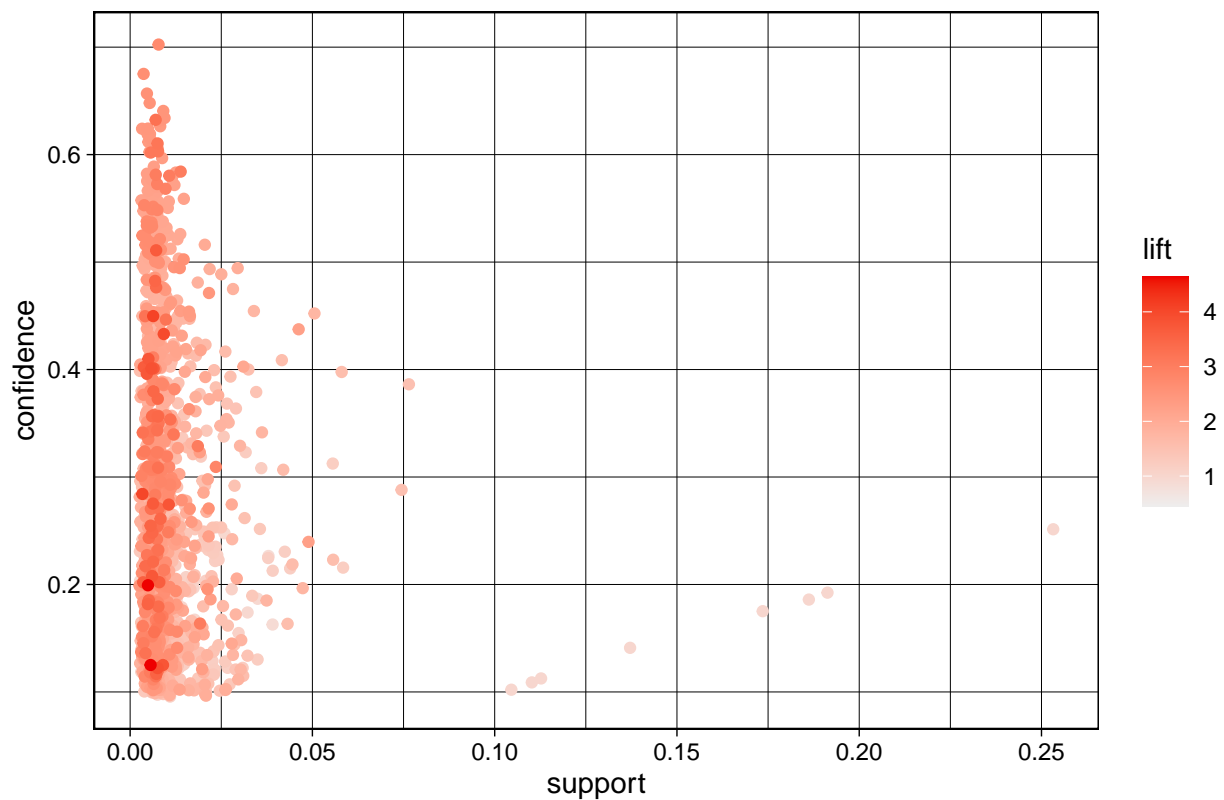
First, let's load all the necessary libraries and create an association table

After doing that, we can print out the entire association table and plot it.

```
#all combinations  
# inspect(grocrules)  
  
#let's plot it to see the spread of confidence  
plot(grocrules)
```

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

Scatter plot for 1581 rules



First of all, it is worth mentioning what products are often bought with or without association with other products:

- bottled water (11% of all baskets)
- tropical fruits (10.5% of all baskets)
 - Probably bananas, as it is the most popular tropical fruit
- root and other vegetables (30% of all baskets)
- soda (17.4% of all baskets)
- yogurt (14% of all baskets)
- rolls/buns (18.4% of all baskets)
- whole milk (25.5% of all baskets)
 - every fourth basket contains milk

Now, we can get some interesting associations:

In this table, we can see the items with very high confidence and high lift:

```
inspect(subset(grocrules, subset=lift > 2 & confidence > 0.5))
```

##	lhs	rhs	support	confidence	coverage	lift
## [1]	{baking powder}	=> {whole milk}	0.009252669	0.5229885	0.017691917	2.046793
## [2]	{onions, root vegetables}	=> {other vegetables}	0.005693950	0.6021505	0.009456024	3.112008
## [3]	{onions, whole milk}	=> {other vegetables}	0.006609049	0.5462185	0.012099644	2.822942
## [4]	{hygiene articles, other vegetables}	=> {whole milk}	0.005185562	0.5425532	0.009557702	2.123363
## [5]	{other vegetables, sugar}	=> {whole milk}	0.006304016	0.5849057	0.010777834	2.289115
## [6]	{long life bakery product, other vegetables}	=> {whole milk}	0.005693950	0.5333333	0.010676157	2.087279
## [7]	{cream cheese , yogurt}	=> {whole milk}	0.006609049	0.5462185	0.012099644	2.137707
## [8]	{chicken, root vegetables}	=> {other vegetables}	0.005693950	0.5233645	0.010879512	2.704829
## [9]	{chicken, root vegetables}	=> {whole milk}	0.005998983	0.5514019	0.010879512	2.157993
## [10]	{chicken, rolls/buns}	=> {whole milk}	0.005287239	0.5473684	0.009659380	2.142208
## [11]	{coffee, yogurt}	=> {whole milk}	0.005083884	0.5208333	0.009761057	2.038359
## [12]	{frozen vegetables, root vegetables}	=> {other vegetables}	0.006100661	0.5263158	0.011591256	2.720082
## [13]	{frozen vegetables, root vegetables}	=> {whole milk}	0.006202339	0.5350877	0.011591256	2.094146
## [14]	{frozen vegetables, other vegetables}	=> {whole milk}	0.009659380	0.5428571	0.017793594	2.124552
## [15]	{beef, yogurt}	=> {whole milk}	0.006100661	0.5217391	0.011692933	2.041904
## [16]	{curd, whipped/sour cream}	=> {whole milk}	0.005897306	0.5631068	0.010472801	2.203802

## [17]	{curd, tropical fruit}	=> {yogurt}	0.005287239	0.5148515	0.010269446	3.690645
## [18]	{curd, tropical fruit}	=> {other vegetables}	0.005287239	0.5148515	0.010269446	2.660833
## [19]	{curd, tropical fruit}	=> {whole milk}	0.006507372	0.6336634	0.010269446	2.479936
## [20]	{curd, root vegetables}	=> {other vegetables}	0.005490595	0.5046729	0.010879512	2.608228
## [21]	{curd, root vegetables}	=> {whole milk}	0.006202339	0.5700935	0.010879512	2.231146
## [22]	{curd, yogurt}	=> {whole milk}	0.010066090	0.5823529	0.017285206	2.279125
## [23]	{curd, rolls/buns}	=> {whole milk}	0.005897306	0.5858586	0.010066090	2.292845
## [24]	{curd, other vegetables}	=> {whole milk}	0.009862735	0.5739645	0.017183528	2.246296
## [25]	{pork, root vegetables}	=> {other vegetables}	0.007015760	0.5149254	0.013624809	2.661214
## [26]	{pork, rolls/buns}	=> {whole milk}	0.006202339	0.5495495	0.011286223	2.150744
## [27]	{frankfurter, tropical fruit}	=> {whole milk}	0.005185562	0.5483871	0.009456024	2.146195
## [28]	{frankfurter, yogurt}	=> {whole milk}	0.006202339	0.5545455	0.011184545	2.170296
## [29]	{bottled beer, yogurt}	=> {whole milk}	0.005185562	0.5604396	0.009252669	2.193364
## [30]	{brown bread, tropical fruit}	=> {whole milk}	0.005693950	0.5333333	0.010676157	2.087279
## [31]	{brown bread, root vegetables}	=> {whole milk}	0.005693950	0.5600000	0.010167768	2.191643
## [32]	{domestic eggs, margarine}	=> {whole milk}	0.005185562	0.6219512	0.008337570	2.434099
## [33]	{margarine, root vegetables}	=> {other vegetables}	0.005897306	0.5321101	0.011082867	2.750028
## [34]	{margarine, rolls/buns}	=> {whole milk}	0.007930859	0.5379310	0.014743264	2.105273
## [35]	{butter, domestic eggs}	=> {whole milk}	0.005998983	0.6210526	0.009659380	2.430582
## [36]	{butter, whipped/sour cream}	=> {other vegetables}	0.005795628	0.5700000	0.010167768	2.945849
## [37]	{butter, whipped/sour cream}	=> {whole milk}	0.006710727	0.6600000	0.010167768	2.583008
## [38]	{butter, citrus fruit}	=> {whole milk}	0.005083884	0.5555556	0.009150991	2.174249
## [39]	{bottled water, butter}	=> {whole milk}	0.005388917	0.6022727	0.008947636	2.357084
## [40]	{butter, tropical fruit}	=> {other vegetables}	0.005490595	0.5510204	0.009964413	2.847759
## [41]	{butter, tropical fruit}	=> {whole milk}	0.006202339	0.6224490	0.009964413	2.436047
## [42]	{butter, root vegetables}	=> {other vegetables}	0.006609049	0.5118110	0.012913066	2.645119
## [43]	{butter, root vegetables}	=> {whole milk}	0.008235892	0.6377953	0.012913066	2.496107

## [44]	{butter,	=> {whole milk}	0.009354347	0.6388889	0.014641586	2.500387
##	yogurt}					
## [45]	{butter,	=> {whole milk}	0.011489578	0.5736041	0.020030503	2.244885
##	other vegetables}					
## [46]	{newspapers,	=> {other vegetables}	0.005998983	0.5221239	0.011489578	2.698417
##	root vegetables}					
## [47]	{domestic eggs,	=> {other vegetables}	0.005083884	0.5102041	0.009964413	2.636814
##	whipped/sour cream}					
## [48]	{domestic eggs,	=> {whole milk}	0.005693950	0.5714286	0.009964413	2.236371
##	whipped/sour cream}					
## [49]	{domestic eggs,	=> {whole milk}	0.005388917	0.6235294	0.008642603	2.440275
##	pip fruit}					
## [50]	{citrus fruit,	=> {whole milk}	0.005693950	0.5490196	0.010371124	2.148670
##	domestic eggs}					
## [51]	{domestic eggs,	=> {whole milk}	0.006914082	0.6071429	0.011387900	2.376144
##	tropical fruit}					
## [52]	{domestic eggs,	=> {other vegetables}	0.007320793	0.5106383	0.014336553	2.639058
##	root vegetables}					
## [53]	{domestic eggs,	=> {whole milk}	0.008540925	0.5957447	0.014336553	2.331536
##	root vegetables}					
## [54]	{domestic eggs,	=> {whole milk}	0.007727504	0.5390071	0.014336553	2.109485
##	yogurt}					
## [55]	{domestic eggs,	=> {whole milk}	0.012302999	0.5525114	0.022267412	2.162336
##	other vegetables}					
## [56]	{fruit/vegetable juice,	=> {other vegetables}	0.006609049	0.5508475	0.011997966	2.846865
##	root vegetables}					
## [57]	{fruit/vegetable juice,	=> {whole milk}	0.006507372	0.5423729	0.011997966	2.122657
##	root vegetables}					
## [58]	{pip fruit,	=> {other vegetables}	0.005592272	0.6043956	0.009252669	3.123610
##	whipped/sour cream}					
## [59]	{pip fruit,	=> {whole milk}	0.005998983	0.6483516	0.009252669	2.537421
##	whipped/sour cream}					
## [60]	{citrus fruit,	=> {other vegetables}	0.005693950	0.5233645	0.010879512	2.704829
##	whipped/sour cream}					
## [61]	{citrus fruit,	=> {whole milk}	0.006304016	0.5794393	0.010879512	2.267722
##	whipped/sour cream}					
## [62]	{sausage,	=> {whole milk}	0.005083884	0.5617978	0.009049314	2.198679
##	whipped/sour cream}					
## [63]	{tropical fruit,	=> {other vegetables}	0.007829181	0.5661765	0.013828165	2.926088
##	whipped/sour cream}					
## [64]	{tropical fruit,	=> {whole milk}	0.007930859	0.5735294	0.013828165	2.244593
##	whipped/sour cream}					
## [65]	{root vegetables,	=> {whole milk}	0.009456024	0.5535714	0.017081851	2.166484
##	whipped/sour cream}					
## [66]	{whipped/sour cream,	=> {whole milk}	0.010879512	0.5245098	0.020742247	2.052747
##	yogurt}					
## [67]	{rolls/buns,	=> {whole milk}	0.007829181	0.5347222	0.014641586	2.092715
##	whipped/sour cream}					
## [68]	{pip fruit,	=> {whole milk}	0.005592272	0.5188679	0.010777834	2.030667
##	sausage}					
## [69]	{pip fruit,	=> {other vegetables}	0.008134215	0.5228758	0.015556685	2.702304
##	root vegetables}					
## [70]	{pip fruit,	=> {whole milk}	0.008947636	0.5751634	0.015556685	2.250988
##	root vegetables}					

## [71]	{pip fruit, yogurt}	=> {whole milk}	0.009557702	0.5310734	0.017996950	2.078435
## [72]	{other vegetables, pip fruit}	=> {whole milk}	0.013523132	0.5175097	0.026131164	2.025351
## [73]	{pastry, root vegetables}	=> {other vegetables}	0.005897306	0.5370370	0.010981190	2.775491
## [74]	{pastry, root vegetables}	=> {whole milk}	0.005693950	0.5185185	0.010981190	2.029299
## [75]	{pastry, yogurt}	=> {whole milk}	0.009150991	0.5172414	0.017691917	2.024301
## [76]	{citrus fruit, root vegetables}	=> {other vegetables}	0.010371124	0.5862069	0.017691917	3.029608
## [77]	{citrus fruit, root vegetables}	=> {whole milk}	0.009150991	0.5172414	0.017691917	2.024301
## [78]	{root vegetables, shopping bags}	=> {other vegetables}	0.006609049	0.5158730	0.012811388	2.666112
## [79]	{sausage, tropical fruit}	=> {whole milk}	0.007219115	0.5182482	0.013929842	2.028241
## [80]	{root vegetables, sausage}	=> {whole milk}	0.007727504	0.5170068	0.014946619	2.023383
## [81]	{root vegetables, tropical fruit}	=> {other vegetables}	0.012302999	0.5845411	0.021047280	3.020999
## [82]	{root vegetables, tropical fruit}	=> {whole milk}	0.011997966	0.5700483	0.021047280	2.230969
## [83]	{tropical fruit, yogurt}	=> {whole milk}	0.015149975	0.5173611	0.029283172	2.024770
## [84]	{root vegetables, yogurt}	=> {whole milk}	0.014539908	0.5629921	0.025826131	2.203354
## [85]	{rolls/buns, root vegetables}	=> {other vegetables}	0.012201322	0.5020921	0.024300966	2.594890
## [86]	{rolls/buns, root vegetables}	=> {whole milk}	0.012709710	0.5230126	0.024300966	2.046888
## [87]	{other vegetables, yogurt}	=> {whole milk}	0.022267412	0.5128806	0.043416370	2.007235
## [88]	{fruit/vegetable juice, other vegetables, yogurt}	=> {whole milk}	0.005083884	0.6172840	0.008235892	2.415833
## [89]	{fruit/vegetable juice, whole milk, yogurt}	=> {other vegetables}	0.005083884	0.5376344	0.009456024	2.778578
## [90]	{other vegetables, root vegetables, whipped/sour cream}	=> {whole milk}	0.005185562	0.6071429	0.008540925	2.376144
## [91]	{root vegetables, whipped/sour cream, whole milk}	=> {other vegetables}	0.005185562	0.5483871	0.009456024	2.834150
## [92]	{other vegetables, whipped/sour cream, yogurt}	=> {whole milk}	0.005592272	0.5500000	0.010167768	2.152507
## [93]	{whipped/sour cream, whole milk, yogurt}	=> {other vegetables}	0.005592272	0.5140187	0.010879512	2.656529
## [94]	{other vegetables, pip fruit,					

##	root vegetables}	=> {whole milk}	0.005490595	0.6750000	0.008134215	2.641713
## [95]	{pip fruit,					
##	root vegetables,					
##	whole milk}	=> {other vegetables}	0.005490595	0.6136364	0.008947636	3.171368
## [96]	{other vegetables,					
##	pip fruit,					
##	yogurt}	=> {whole milk}	0.005083884	0.6250000	0.008134215	2.446031
## [97]	{pip fruit,					
##	whole milk,					
##	yogurt}	=> {other vegetables}	0.005083884	0.5319149	0.009557702	2.749019
## [98]	{citrus fruit,					
##	other vegetables,					
##	root vegetables}	=> {whole milk}	0.005795628	0.5588235	0.010371124	2.187039
## [99]	{citrus fruit,					
##	root vegetables,					
##	whole milk}	=> {other vegetables}	0.005795628	0.6333333	0.009150991	3.273165
## [100]	{root vegetables,					
##	tropical fruit,					
##	yogurt}	=> {whole milk}	0.005693950	0.7000000	0.008134215	2.739554
## [101]	{other vegetables,					
##	root vegetables,					
##	tropical fruit}	=> {whole milk}	0.007015760	0.5702479	0.012302999	2.231750
## [102]	{root vegetables,					
##	tropical fruit,					
##	whole milk}	=> {other vegetables}	0.007015760	0.5847458	0.011997966	3.022057
## [103]	{other vegetables,					
##	tropical fruit,					
##	yogurt}	=> {whole milk}	0.007625826	0.6198347	0.012302999	2.425816
## [104]	{tropical fruit,					
##	whole milk,					
##	yogurt}	=> {other vegetables}	0.007625826	0.5033557	0.015149975	2.601421
## [105]	{other vegetables,					
##	root vegetables,					
##	yogurt}	=> {whole milk}	0.007829181	0.6062992	0.012913066	2.372842
## [106]	{root vegetables,					
##	whole milk,					
##	yogurt}	=> {other vegetables}	0.007829181	0.5384615	0.014539908	2.782853
## [107]	{other vegetables,					
##	rolls/buns,					
##	yogurt}	=> {whole milk}	0.005998983	0.5221239	0.011489578	2.043410

Only one pair stood out significantly:

- baking powder & whole milk (0.009,0.52,2)
 - 0.9% of all baskets contain baking powder, but more than half of them also contain milk. People use both baking powder and milk in baking, that's why they are often bought together (52% of people buying baking powder will buy milk). At the same time, people who just buy milk are not as likely to also buy baking powder, because they might be buying milk for other purposes
 - This is an interesting association, as these two products are not usually associated together. Also, they are not located closely to each other (one is in Dairy, while the other one is in Baking)

Let's decrease our confidence while increasing the lift (we need to see some good associations among uncommon products):

```
inspect(subset(grocrules, subset=lift > 3 & confidence > 0.1))
```

##	lhs	rhs	support	confidence	coverage	lift
## [1]	{herbs}	=> {root vegetables}	0.007015760	0.4312500	0.016268429	3.956477
## [2]	{ham}	=> {white bread}	0.005083884	0.1953125	0.026029487	4.639851
## [3]	{white bread}	=> {ham}	0.005083884	0.1207729	0.042094560	4.639851
## [4]	{sliced cheese}	=> {sausage}	0.007015760	0.2863071	0.024504321	3.047435
## [5]	{berries}	=> {whipped/sour cream}	0.009049314	0.2721713	0.033248602	3.796886
## [6]	{whipped/sour cream}	=> {berries}	0.009049314	0.1262411	0.071682766	3.796886
## [7]	{hygiene articles}	=> {napkins}	0.006100661	0.1851852	0.032943569	3.536498
## [8]	{napkins}	=> {hygiene articles}	0.006100661	0.1165049	0.052364006	3.536498
## [9]	{waffles}	=> {chocolate}	0.005795628	0.1507937	0.038434164	3.039048
## [10]	{chocolate}	=> {waffles}	0.005795628	0.1168033	0.049618709	3.039048
## [11]	{chicken}	=> {frozen vegetables}	0.006710727	0.1563981	0.042907982	3.251956
## [12]	{frozen vegetables}	=> {chicken}	0.006710727	0.1395349	0.048093543	3.251956
## [13]	{beef}	=> {root vegetables}	0.017386884	0.3313953	0.052465684	3.040367
## [14]	{root vegetables}	=> {beef}	0.017386884	0.1595149	0.108998475	3.040367
## [15]	{onions, root vegetables}	=> {other vegetables}	0.005693950	0.6021505	0.009456024	3.112008
## [16]	{onions, other vegetables}	=> {root vegetables}	0.005693950	0.4000000	0.014234875	3.669776
## [17]	{other vegetables, root vegetables}	=> {onions}	0.005693950	0.1201717	0.047381800	3.875044
## [18]	{other vegetables, yogurt}	=> {cream cheese }	0.005185562	0.1194379	0.043416370	3.209487
## [19]	{whole milk, yogurt}	=> {cream cheese }	0.006609049	0.1179673	0.056024403	3.169969
## [20]	{chicken, whole milk}	=> {root vegetables}	0.005998983	0.3410405	0.017590239	3.128855
## [21]	{frozen vegetables, other vegetables}	=> {root vegetables}	0.006100661	0.3428571	0.017793594	3.145522
## [22]	{beef, other vegetables}	=> {root vegetables}	0.007930859	0.4020619	0.019725470	3.688692
## [23]	{other vegetables, root vegetables}	=> {beef}	0.007930859	0.1673820	0.047381800	3.190313
## [24]	{beef, whole milk}	=> {root vegetables}	0.008032537	0.3779904	0.021250635	3.467851
## [25]	{root vegetables, whole milk}	=> {beef}	0.008032537	0.1642412	0.048906965	3.130449
## [26]	{curd, whole milk}	=> {whipped/sour cream}	0.005897306	0.2256809	0.026131164	3.148329
## [27]	{whipped/sour cream, whole milk}	=> {curd}	0.005897306	0.1829653	0.032231825	3.434091
## [28]	{curd, tropical fruit}	=> {yogurt}	0.005287239	0.5148515	0.010269446	3.690645
## [29]	{tropical fruit, yogurt}	=> {curd}	0.005287239	0.1805556	0.029283172	3.388862
## [30]	{whole milk, yogurt}	=> {curd}	0.010066090	0.1796733	0.056024403	3.372304
## [31]	{margarine, whole milk}	=> {domestic eggs}	0.005185562	0.2142857	0.024199288	3.377404
## [32]	{butter, whole milk}	=> {domestic eggs}	0.005998983	0.2177122	0.027554652	3.431409

## [33]	{domestic eggs, whole milk}	=> {butter}	0.005998983	0.2000000	0.029994916	3.609174
## [34]	{butter, other vegetables}	=> {whipped/sour cream}	0.005795628	0.2893401	0.020030503	4.036397
## [35]	{other vegetables, whipped/sour cream}	=> {butter}	0.005795628	0.2007042	0.028876462	3.621883
## [36]	{butter, whole milk}	=> {whipped/sour cream}	0.006710727	0.2435424	0.027554652	3.397503
## [37]	{whipped/sour cream, whole milk}	=> {butter}	0.006710727	0.2082019	0.032231825	3.757185
## [38]	{citrus fruit, whole milk}	=> {butter}	0.005083884	0.1666667	0.030503305	3.007645
## [39]	{butter, other vegetables}	=> {root vegetables}	0.006609049	0.3299492	0.020030503	3.027100
## [40]	{root vegetables, whole milk}	=> {butter}	0.008235892	0.1683992	0.048906965	3.038910
## [41]	{whole milk, yogurt}	=> {butter}	0.009354347	0.1669691	0.056024403	3.013104
## [42]	{domestic eggs, other vegetables}	=> {whipped/sour cream}	0.005083884	0.2283105	0.022267412	3.185012
## [43]	{domestic eggs, other vegetables}	=> {root vegetables}	0.007320793	0.3287671	0.022267412	3.016254
## [44]	{pip fruit, whipped/sour cream}	=> {other vegetables}	0.005592272	0.6043956	0.009252669	3.123610
## [45]	{tropical fruit, whipped/sour cream}	=> {yogurt}	0.006202339	0.4485294	0.013828165	3.215224
## [46]	{other vegetables, tropical fruit}	=> {whipped/sour cream}	0.007829181	0.2181303	0.035892222	3.042995
## [47]	{root vegetables, yogurt}	=> {whipped/sour cream}	0.006405694	0.2480315	0.025826131	3.460127
## [48]	{other vegetables, yogurt}	=> {whipped/sour cream}	0.010167768	0.2341920	0.043416370	3.267062
## [49]	{citrus fruit, pip fruit}	=> {tropical fruit}	0.005592272	0.4044118	0.013828165	3.854060
## [50]	{pip fruit, tropical fruit}	=> {citrus fruit}	0.005592272	0.2736318	0.020437214	3.306105
## [51]	{citrus fruit, tropical fruit}	=> {pip fruit}	0.005592272	0.2806122	0.019928826	3.709437
## [52]	{pip fruit, root vegetables}	=> {tropical fruit}	0.005287239	0.3398693	0.015556685	3.238967
## [53]	{root vegetables, tropical fruit}	=> {pip fruit}	0.005287239	0.2512077	0.021047280	3.320737
## [54]	{pip fruit, yogurt}	=> {tropical fruit}	0.006405694	0.3559322	0.017996950	3.392048
## [55]	{other vegetables, pip fruit}	=> {tropical fruit}	0.009456024	0.3618677	0.026131164	3.448613
## [56]	{other vegetables, tropical fruit}	=> {pip fruit}	0.009456024	0.2634561	0.035892222	3.482649
## [57]	{citrus fruit, root vegetables}	=> {tropical fruit}	0.005693950	0.3218391	0.017691917	3.067139
## [58]	{root vegetables, tropical fruit}	=> {citrus fruit}	0.005693950	0.2705314	0.021047280	3.268644
## [59]	{other vegetables, tropical fruit}	=> {citrus fruit}	0.009049314	0.2521246	0.035892222	3.046248

## [60]	{citrus fruit, root vegetables}	=> {other vegetables}	0.010371124	0.5862069	0.017691917	3.029608
## [61]	{citrus fruit, other vegetables}	=> {root vegetables}	0.010371124	0.3591549	0.028876462	3.295045
## [62]	{rolls/buns, shopping bags}	=> {sausage}	0.005998983	0.3072917	0.019522115	3.270794
## [63]	{root vegetables, yogurt}	=> {tropical fruit}	0.008134215	0.3149606	0.025826131	3.001587
## [64]	{root vegetables, tropical fruit}	=> {other vegetables}	0.012302999	0.5845411	0.021047280	3.020999
## [65]	{other vegetables, tropical fruit}	=> {root vegetables}	0.012302999	0.3427762	0.035892222	3.144780
## [66]	{fruit/vegetable juice, other vegetables, whole milk}	=> {yogurt}	0.005083884	0.4854369	0.010472801	3.479790
## [67]	{other vegetables, whole milk, yogurt}	=> {fruit/vegetable juice}	0.005083884	0.2283105	0.022267412	3.158135
## [68]	{other vegetables, whipped/sour cream, whole milk}	=> {root vegetables}	0.005185562	0.3541667	0.014641586	3.249281
## [69]	{other vegetables, root vegetables, whole milk}	=> {whipped/sour cream}	0.005185562	0.2236842	0.023182511	3.120474
## [70]	{other vegetables, whole milk, yogurt}	=> {whipped/sour cream}	0.005592272	0.2511416	0.022267412	3.503514
## [71]	{pip fruit, root vegetables, whole milk}	=> {other vegetables}	0.005490595	0.6136364	0.008947636	3.171368
## [72]	{other vegetables, pip fruit, whole milk}	=> {root vegetables}	0.005490595	0.4060150	0.013523132	3.724961
## [73]	{other vegetables, root vegetables, whole milk}	=> {pip fruit}	0.005490595	0.2368421	0.023182511	3.130836
## [74]	{other vegetables, whole milk, yogurt}	=> {pip fruit}	0.005083884	0.2283105	0.022267412	3.018056
## [75]	{citrus fruit, root vegetables, whole milk}	=> {other vegetables}	0.005795628	0.6333333	0.009150991	3.273165
## [76]	{citrus fruit, other vegetables, whole milk}	=> {root vegetables}	0.005795628	0.4453125	0.013014743	4.085493
## [77]	{other vegetables, root vegetables, whole milk}	=> {citrus fruit}	0.005795628	0.2500000	0.023182511	3.020577
## [78]	{root vegetables, tropical fruit, whole milk}	=> {yogurt}	0.005693950	0.4745763	0.011997966	3.401937
## [79]	{tropical fruit, whole milk, yogurt}	=> {root vegetables}	0.005693950	0.3758389	0.015149975	3.448112

```

## [80] {root vegetables,
##       whole milk,
##       yogurt}          => {tropical fruit}          0.005693950  0.3916084 0.014539908 3.732043
## [81] {root vegetables,
##       tropical fruit,
##       whole milk}      => {other vegetables}        0.007015760  0.5847458 0.011997966 3.022057
## [82] {other vegetables,
##       tropical fruit,
##       whole milk}      => {root vegetables}        0.007015760  0.4107143 0.017081851 3.768074
## [83] {other vegetables,
##       tropical fruit,
##       whole milk}      => {yogurt}                0.007625826  0.4464286 0.017081851 3.200164
## [84] {other vegetables,
##       whole milk,
##       yogurt}          => {tropical fruit}          0.007625826  0.3424658 0.022267412 3.263712
## [85] {other vegetables,
##       whole milk,
##       yogurt}          => {root vegetables}        0.007829181  0.3515982 0.022267412 3.225716
## [86] {other vegetables,
##       rolls/buns,
##       whole milk}      => {root vegetables}        0.006202339  0.3465909 0.017895272 3.179778

```

- herbs & root vegetables (0.007,0.43,3.95)
 - People who buy herbs are very likely to also buy root vegetables
 - Somewhat expected association, as they are sold in the same section
- ham & white bread (0.005, 0.19/0.12, 4.63, both ways)
 - This association goes both ways: not only from ham to bread, but also from bread to ham
 - People who buy either ham or bread are somewhat likely to buy the other one to make sandwiches
 - Very expected association, because ham on white bread is one of the most popular sandwiches
- berries & whipped/sour cream (0.009, 0.27/0.12, 3.8, both ways)
 - Although this association also goes both ways, the confidence of whipped/sour cream to berries is much lower than the other way around
 - People often buy berries and whipped cream together for deserts
 - Somewhat expected association, as deserts with whipped cream often have berries in them
- waffles & chocolate (0.005, 0.15/0.11, 3, both ways)
 - Every seventh person who buys waffles also buys chocolate to
 - Chocolate is one of the toppings for waffles, so people buy them together
- chicken & frozen vegetables (0.006, 0.15/0.14, 3.25, both ways)
 - The confidence is almost the same both ways: if a person either buys chicken or frozen vegetables, the chance is 15% that they will buy the other one as well
 - This is a known combination (for soups or stir-fries), but such a high confidence is surprising
- beef & root vegetables (0.017, 0.33/0.15, 3, both ways)
 - Just like with chicken & vegetables, people buy beef and vegetables together.

Let's try decreasing both confidence and lift:

```
inspect(subset(grocrules, subset=lift > 1 & confidence > 0.1))
```

##	lhs	rhs	support	confidence	coverage
## [1]	{}	=> {yogurt}	0.139501779	0.1395018	1.000000000
## [2]	{}	=> {rolls/buns}	0.183934926	0.1839349	1.000000000
## [3]	{cake bar}	=> {whole milk}	0.005592272	0.4230769	0.013218099
## [4]	{dishes}	=> {other vegetables}	0.005998983	0.3410405	0.017590239
## [5]	{dishes}	=> {whole milk}	0.005287239	0.3005780	0.017590239
## [6]	{mustard}	=> {whole milk}	0.005185562	0.4322034	0.011997966
## [7]	{pot plants}	=> {whole milk}	0.006914082	0.4000000	0.017285206
## [8]	{chewing gum}	=> {soda}	0.005388917	0.2560386	0.021047280
## [9]	{canned fish}	=> {other vegetables}	0.005083884	0.3378378	0.015048297
## [10]	{pasta}	=> {whole milk}	0.006100661	0.4054054	0.015048297
## [11]	{herbs}	=> {root vegetables}	0.007015760	0.4312500	0.016268429
## [12]	{herbs}	=> {other vegetables}	0.007727504	0.4750000	0.016268429
## [13]	{herbs}	=> {whole milk}	0.007727504	0.4750000	0.016268429
## [14]	{processed cheese}	=> {soda}	0.005287239	0.3190184	0.016573462
## [15]	{processed cheese}	=> {other vegetables}	0.005490595	0.3312883	0.016573462
## [16]	{processed cheese}	=> {whole milk}	0.007015760	0.4233129	0.016573462
## [17]	{semi-finished bread}	=> {other vegetables}	0.005185562	0.2931034	0.017691917
## [18]	{semi-finished bread}	=> {whole milk}	0.007117438	0.4022989	0.017691917
## [19]	{beverages}	=> {yogurt}	0.005490595	0.2109375	0.026029487
## [20]	{beverages}	=> {rolls/buns}	0.005388917	0.2070312	0.026029487
## [21]	{beverages}	=> {other vegetables}	0.005185562	0.1992188	0.026029487
## [22]	{beverages}	=> {whole milk}	0.006812405	0.2617188	0.026029487
## [23]	{ice cream}	=> {soda}	0.006100661	0.2439024	0.025012710
## [24]	{ice cream}	=> {other vegetables}	0.005083884	0.2032520	0.025012710
## [25]	{detergent}	=> {other vegetables}	0.006405694	0.3333333	0.019217082
## [26]	{detergent}	=> {whole milk}	0.008947636	0.4656085	0.019217082
## [27]	{pickled vegetables}	=> {other vegetables}	0.006405694	0.3579545	0.017895272
## [28]	{pickled vegetables}	=> {whole milk}	0.007117438	0.3977273	0.017895272
## [29]	{baking powder}	=> {other vegetables}	0.007320793	0.4137931	0.017691917
## [30]	{baking powder}	=> {whole milk}	0.009252669	0.5229885	0.017691917
## [31]	{flour}	=> {other vegetables}	0.006304016	0.3625731	0.017386884
## [32]	{flour}	=> {whole milk}	0.008439248	0.4853801	0.017386884
## [33]	{soft cheese}	=> {yogurt}	0.005998983	0.3511905	0.017081851
## [34]	{soft cheese}	=> {rolls/buns}	0.005388917	0.3154762	0.017081851
## [35]	{soft cheese}	=> {other vegetables}	0.007117438	0.4166667	0.017081851
## [36]	{soft cheese}	=> {whole milk}	0.007524148	0.4404762	0.017081851
## [37]	{specialty bar}	=> {soda}	0.007219115	0.2639405	0.027351296
## [38]	{specialty bar}	=> {rolls/buns}	0.005592272	0.2044610	0.027351296
## [39]	{specialty bar}	=> {other vegetables}	0.005592272	0.2044610	0.027351296
## [40]	{misc. beverages}	=> {bottled water}	0.005287239	0.1863799	0.028368073
## [41]	{misc. beverages}	=> {soda}	0.007320793	0.2580645	0.028368073
## [42]	{misc. beverages}	=> {other vegetables}	0.005592272	0.1971326	0.028368073
## [43]	{grapes}	=> {tropical fruit}	0.006100661	0.2727273	0.022369090
## [44]	{grapes}	=> {other vegetables}	0.009049314	0.4045455	0.022369090
## [45]	{grapes}	=> {whole milk}	0.007320793	0.3272727	0.022369090
## [46]	{cat food}	=> {yogurt}	0.006202339	0.2663755	0.023284189
## [47]	{cat food}	=> {other vegetables}	0.006507372	0.2794760	0.023284189
## [48]	{cat food}	=> {whole milk}	0.008845958	0.3799127	0.023284189
## [49]	{specialty chocolate}	=> {soda}	0.006304016	0.2073579	0.030401627

## [50]	{specialty chocolate}	=> {rolls/buns}	0.005592272	0.1839465	0.030401627
## [51]	{specialty chocolate}	=> {other vegetables}	0.006100661	0.2006689	0.030401627
## [52]	{specialty chocolate}	=> {whole milk}	0.008032537	0.2642140	0.030401627
## [53]	{meat}	=> {sausage}	0.005287239	0.2047244	0.025826131
## [54]	{meat}	=> {root vegetables}	0.005083884	0.1968504	0.025826131
## [55]	{meat}	=> {soda}	0.005490595	0.2125984	0.025826131
## [56]	{meat}	=> {yogurt}	0.005287239	0.2047244	0.025826131
## [57]	{meat}	=> {rolls/buns}	0.006914082	0.2677165	0.025826131
## [58]	{meat}	=> {other vegetables}	0.009964413	0.3858268	0.025826131
## [59]	{meat}	=> {whole milk}	0.009964413	0.3858268	0.025826131
## [60]	{frozen meals}	=> {tropical fruit}	0.005490595	0.1935484	0.028368073
## [61]	{frozen meals}	=> {soda}	0.006202339	0.2186380	0.028368073
## [62]	{frozen meals}	=> {yogurt}	0.006202339	0.2186380	0.028368073
## [63]	{frozen meals}	=> {other vegetables}	0.007524148	0.2652330	0.028368073
## [64]	{frozen meals}	=> {whole milk}	0.009862735	0.3476703	0.028368073
## [65]	{hard cheese}	=> {sausage}	0.005185562	0.2116183	0.024504321
## [66]	{hard cheese}	=> {root vegetables}	0.005592272	0.2282158	0.024504321
## [67]	{hard cheese}	=> {yogurt}	0.006405694	0.2614108	0.024504321
## [68]	{hard cheese}	=> {rolls/buns}	0.005897306	0.2406639	0.024504321
## [69]	{hard cheese}	=> {other vegetables}	0.009456024	0.3858921	0.024504321
## [70]	{hard cheese}	=> {whole milk}	0.010066090	0.4107884	0.024504321
## [71]	{butter milk}	=> {pip fruit}	0.005083884	0.1818182	0.027961362
## [72]	{butter milk}	=> {tropical fruit}	0.005490595	0.1963636	0.027961362
## [73]	{butter milk}	=> {root vegetables}	0.005083884	0.1818182	0.027961362
## [74]	{butter milk}	=> {yogurt}	0.008540925	0.3054545	0.027961362
## [75]	{butter milk}	=> {rolls/buns}	0.007625826	0.2727273	0.027961362
## [76]	{butter milk}	=> {other vegetables}	0.010371124	0.3709091	0.027961362
## [77]	{butter milk}	=> {whole milk}	0.011591256	0.4145455	0.027961362
## [78]	{candy}	=> {tropical fruit}	0.005388917	0.1802721	0.029893238
## [79]	{candy}	=> {soda}	0.008642603	0.2891156	0.029893238
## [80]	{candy}	=> {yogurt}	0.005490595	0.1836735	0.029893238
## [81]	{candy}	=> {rolls/buns}	0.007117438	0.2380952	0.029893238
## [82]	{candy}	=> {other vegetables}	0.006914082	0.2312925	0.029893238
## [83]	{candy}	=> {whole milk}	0.008235892	0.2755102	0.029893238
## [84]	{ham}	=> {white bread}	0.005083884	0.1953125	0.026029487
## [85]	{white bread}	=> {ham}	0.005083884	0.1207729	0.042094560
## [86]	{ham}	=> {tropical fruit}	0.005388917	0.2070312	0.026029487
## [87]	{ham}	=> {yogurt}	0.006710727	0.2578125	0.026029487
## [88]	{ham}	=> {rolls/buns}	0.006914082	0.2656250	0.026029487
## [89]	{ham}	=> {other vegetables}	0.009150991	0.3515625	0.026029487
## [90]	{ham}	=> {whole milk}	0.011489578	0.4414062	0.026029487
## [91]	{sliced cheese}	=> {sausage}	0.007015760	0.2863071	0.024504321
## [92]	{sliced cheese}	=> {tropical fruit}	0.005287239	0.2157676	0.024504321
## [93]	{sliced cheese}	=> {root vegetables}	0.005592272	0.2282158	0.024504321
## [94]	{sliced cheese}	=> {soda}	0.005083884	0.2074689	0.024504321
## [95]	{sliced cheese}	=> {yogurt}	0.008032537	0.3278008	0.024504321
## [96]	{sliced cheese}	=> {rolls/buns}	0.007625826	0.3112033	0.024504321
## [97]	{sliced cheese}	=> {other vegetables}	0.009049314	0.3692946	0.024504321
## [98]	{sliced cheese}	=> {whole milk}	0.010777834	0.4398340	0.024504321
## [99]	{UHT-milk}	=> {bottled water}	0.007320793	0.2188450	0.033451957
## [100]	{UHT-milk}	=> {soda}	0.007625826	0.2279635	0.033451957
## [101]	{UHT-milk}	=> {yogurt}	0.007422471	0.2218845	0.033451957
## [102]	{UHT-milk}	=> {rolls/buns}	0.006405694	0.1914894	0.033451957
## [103]	{UHT-milk}	=> {other vegetables}	0.008134215	0.2431611	0.033451957

## [104]	{oil}	=> {root vegetables}	0.007015760	0.2500000	0.028063040
## [105]	{oil}	=> {yogurt}	0.005287239	0.1884058	0.028063040
## [106]	{oil}	=> {other vegetables}	0.009964413	0.3550725	0.028063040
## [107]	{oil}	=> {whole milk}	0.011286223	0.4021739	0.028063040
## [108]	{onions}	=> {whipped/sour cream}	0.005083884	0.1639344	0.031011693
## [109]	{onions}	=> {citrus fruit}	0.005592272	0.1803279	0.031011693
## [110]	{onions}	=> {bottled water}	0.005897306	0.1901639	0.031011693
## [111]	{onions}	=> {tropical fruit}	0.005693950	0.1836066	0.031011693
## [112]	{onions}	=> {root vegetables}	0.009456024	0.3049180	0.031011693
## [113]	{onions}	=> {yogurt}	0.007219115	0.2327869	0.031011693
## [114]	{onions}	=> {rolls/buns}	0.006812405	0.2196721	0.031011693
## [115]	{onions}	=> {other vegetables}	0.014234875	0.4590164	0.031011693
## [116]	{onions}	=> {whole milk}	0.012099644	0.3901639	0.031011693
## [117]	{berries}	=> {whipped/sour cream}	0.009049314	0.2721713	0.033248602
## [118]	{whipped/sour cream}	=> {berries}	0.009049314	0.1262411	0.071682766
## [119]	{berries}	=> {citrus fruit}	0.005388917	0.1620795	0.033248602
## [120]	{berries}	=> {tropical fruit}	0.006710727	0.2018349	0.033248602
## [121]	{berries}	=> {root vegetables}	0.006609049	0.1987768	0.033248602
## [122]	{berries}	=> {soda}	0.007320793	0.2201835	0.033248602
## [123]	{berries}	=> {yogurt}	0.010574479	0.3180428	0.033248602
## [124]	{berries}	=> {rolls/buns}	0.006609049	0.1987768	0.033248602
## [125]	{berries}	=> {other vegetables}	0.010269446	0.3088685	0.033248602
## [126]	{berries}	=> {whole milk}	0.011794611	0.3547401	0.033248602
## [127]	{hamburger meat}	=> {sausage}	0.005185562	0.1559633	0.033248602
## [128]	{hamburger meat}	=> {root vegetables}	0.006202339	0.1865443	0.033248602
## [129]	{hamburger meat}	=> {yogurt}	0.006507372	0.1957187	0.033248602
## [130]	{hamburger meat}	=> {rolls/buns}	0.008642603	0.2599388	0.033248602
## [131]	{hamburger meat}	=> {other vegetables}	0.013828165	0.4159021	0.033248602
## [132]	{hamburger meat}	=> {whole milk}	0.014743264	0.4434251	0.033248602
## [133]	{hygiene articles}	=> {napkins}	0.006100661	0.1851852	0.032943569
## [134]	{napkins}	=> {hygiene articles}	0.006100661	0.1165049	0.052364006
## [135]	{hygiene articles}	=> {citrus fruit}	0.005287239	0.1604938	0.032943569
## [136]	{hygiene articles}	=> {shopping bags}	0.005185562	0.1574074	0.032943569
## [137]	{hygiene articles}	=> {bottled water}	0.005693950	0.1728395	0.032943569
## [138]	{hygiene articles}	=> {tropical fruit}	0.006710727	0.2037037	0.032943569
## [139]	{hygiene articles}	=> {root vegetables}	0.005388917	0.1635802	0.032943569
## [140]	{hygiene articles}	=> {soda}	0.007015760	0.2129630	0.032943569
## [141]	{hygiene articles}	=> {yogurt}	0.007320793	0.2222222	0.032943569
## [142]	{hygiene articles}	=> {other vegetables}	0.009557702	0.2901235	0.032943569
## [143]	{hygiene articles}	=> {whole milk}	0.012811388	0.3888889	0.032943569
## [144]	{salty snack}	=> {fruit/vegetable juice}	0.005998983	0.1586022	0.037824098
## [145]	{salty snack}	=> {whipped/sour cream}	0.005185562	0.1370968	0.037824098
## [146]	{salty snack}	=> {pastry}	0.005185562	0.1370968	0.037824098
## [147]	{salty snack}	=> {shopping bags}	0.005998983	0.1586022	0.037824098
## [148]	{salty snack}	=> {sausage}	0.005287239	0.1397849	0.037824098
## [149]	{salty snack}	=> {tropical fruit}	0.005592272	0.1478495	0.037824098
## [150]	{salty snack}	=> {soda}	0.009354347	0.2473118	0.037824098
## [151]	{salty snack}	=> {yogurt}	0.006202339	0.1639785	0.037824098
## [152]	{salty snack}	=> {other vegetables}	0.010777834	0.2849462	0.037824098
## [153]	{salty snack}	=> {whole milk}	0.011184545	0.2956989	0.037824098
## [154]	{sugar}	=> {margarine}	0.005490595	0.1621622	0.033858668
## [155]	{sugar}	=> {pastry}	0.005185562	0.1531532	0.033858668
## [156]	{sugar}	=> {root vegetables}	0.006405694	0.1891892	0.033858668
## [157]	{sugar}	=> {soda}	0.007320793	0.2162162	0.033858668

## [158]	{sugar}	=> {yogurt}	0.006914082	0.2042042	0.033858668
## [159]	{sugar}	=> {rolls/buns}	0.007015760	0.2072072	0.033858668
## [160]	{sugar}	=> {other vegetables}	0.010777834	0.3183183	0.033858668
## [161]	{sugar}	=> {whole milk}	0.015048297	0.4444444	0.033858668
## [162]	{waffles}	=> {chocolate}	0.005795628	0.1507937	0.038434164
## [163]	{chocolate}	=> {waffles}	0.005795628	0.1168033	0.049618709
## [164]	{waffles}	=> {whipped/sour cream}	0.005083884	0.1322751	0.038434164
## [165]	{waffles}	=> {pastry}	0.007015760	0.1825397	0.038434164
## [166]	{waffles}	=> {shopping bags}	0.005490595	0.1428571	0.038434164
## [167]	{waffles}	=> {tropical fruit}	0.006100661	0.1587302	0.038434164
## [168]	{waffles}	=> {root vegetables}	0.006609049	0.1719577	0.038434164
## [169]	{waffles}	=> {soda}	0.009557702	0.2486772	0.038434164
## [170]	{waffles}	=> {yogurt}	0.007524148	0.1957672	0.038434164
## [171]	{waffles}	=> {rolls/buns}	0.009150991	0.2380952	0.038434164
## [172]	{waffles}	=> {other vegetables}	0.010066090	0.2619048	0.038434164
## [173]	{waffles}	=> {whole milk}	0.012709710	0.3306878	0.038434164
## [174]	{long life bakery product}	=> {chocolate}	0.005287239	0.1413043	0.037417387
## [175]	{chocolate}	=> {long life bakery product}	0.005287239	0.1065574	0.049618709
## [176]	{long life bakery product}	=> {fruit/vegetable juice}	0.006202339	0.1657609	0.037417387
## [177]	{long life bakery product}	=> {whipped/sour cream}	0.005795628	0.1548913	0.037417387
## [178]	{long life bakery product}	=> {pastry}	0.005897306	0.1576087	0.037417387
## [179]	{long life bakery product}	=> {shopping bags}	0.005388917	0.1440217	0.037417387
## [180]	{long life bakery product}	=> {sausage}	0.005388917	0.1440217	0.037417387
## [181]	{long life bakery product}	=> {tropical fruit}	0.006304016	0.1684783	0.037417387
## [182]	{long life bakery product}	=> {root vegetables}	0.005287239	0.1413043	0.037417387
## [183]	{long life bakery product}	=> {soda}	0.007625826	0.2038043	0.037417387
## [184]	{long life bakery product}	=> {yogurt}	0.008744281	0.2336957	0.037417387
## [185]	{long life bakery product}	=> {rolls/buns}	0.007930859	0.2119565	0.037417387
## [186]	{long life bakery product}	=> {other vegetables}	0.010676157	0.2853261	0.037417387
## [187]	{long life bakery product}	=> {whole milk}	0.013523132	0.3614130	0.037417387
## [188]	{dessert}	=> {curd}	0.005185562	0.1397260	0.037112354
## [189]	{dessert}	=> {fruit/vegetable juice}	0.005998983	0.1616438	0.037112354
## [190]	{dessert}	=> {pastry}	0.005388917	0.1452055	0.037112354
## [191]	{dessert}	=> {shopping bags}	0.006202339	0.1671233	0.037112354
## [192]	{dessert}	=> {sausage}	0.005897306	0.1589041	0.037112354
## [193]	{dessert}	=> {bottled water}	0.005185562	0.1397260	0.037112354
## [194]	{dessert}	=> {tropical fruit}	0.006304016	0.1698630	0.037112354
## [195]	{dessert}	=> {root vegetables}	0.005795628	0.1561644	0.037112354
## [196]	{dessert}	=> {soda}	0.009862735	0.2657534	0.037112354
## [197]	{dessert}	=> {yogurt}	0.009862735	0.2657534	0.037112354
## [198]	{dessert}	=> {other vegetables}	0.011591256	0.3123288	0.037112354
## [199]	{dessert}	=> {whole milk}	0.013726487	0.3698630	0.037112354
## [200]	{canned beer}	=> {shopping bags}	0.011387900	0.1465969	0.077681749
## [201]	{shopping bags}	=> {canned beer}	0.011387900	0.1155831	0.098525674
## [202]	{canned beer}	=> {soda}	0.013828165	0.1780105	0.077681749
## [203]	{cream cheese }	=> {domestic eggs}	0.005083884	0.1366120	0.037214032
## [204]	{cream cheese }	=> {fruit/vegetable juice}	0.005693950	0.1530055	0.037214032
## [205]	{cream cheese }	=> {whipped/sour cream}	0.006202339	0.1666667	0.037214032
## [206]	{cream cheese }	=> {pip fruit}	0.006100661	0.1639344	0.037214032
## [207]	{cream cheese }	=> {citrus fruit}	0.005490595	0.1475410	0.037214032
## [208]	{cream cheese }	=> {shopping bags}	0.005592272	0.1502732	0.037214032
## [209]	{cream cheese }	=> {sausage}	0.005287239	0.1420765	0.037214032
## [210]	{cream cheese }	=> {bottled water}	0.005897306	0.1584699	0.037214032
## [211]	{cream cheese }	=> {tropical fruit}	0.007015760	0.1885246	0.037214032

## [212]	{cream cheese }	=> {root vegetables}	0.007422471	0.1994536	0.037214032
## [213]	{cream cheese }	=> {soda}	0.006812405	0.1830601	0.037214032
## [214]	{cream cheese }	=> {yogurt}	0.012099644	0.3251366	0.037214032
## [215]	{cream cheese }	=> {rolls/buns}	0.009964413	0.2677596	0.037214032
## [216]	{cream cheese }	=> {other vegetables}	0.013116421	0.3524590	0.037214032
## [217]	{cream cheese }	=> {whole milk}	0.015861718	0.4262295	0.037214032
## [218]	{chicken}	=> {frozen vegetables}	0.006710727	0.1563981	0.042907982
## [219]	{frozen vegetables}	=> {chicken}	0.006710727	0.1395349	0.048093543
## [220]	{chicken}	=> {pork}	0.005795628	0.1350711	0.042907982
## [221]	{pork}	=> {chicken}	0.005795628	0.1005291	0.057651246
## [222]	{chicken}	=> {butter}	0.005795628	0.1350711	0.042907982
## [223]	{butter}	=> {chicken}	0.005795628	0.1045872	0.055414337
## [224]	{chicken}	=> {newspapers}	0.005185562	0.1208531	0.042907982
## [225]	{chicken}	=> {domestic eggs}	0.006202339	0.1445498	0.042907982
## [226]	{chicken}	=> {whipped/sour cream}	0.007219115	0.1682464	0.042907982
## [227]	{whipped/sour cream}	=> {chicken}	0.007219115	0.1007092	0.071682766
## [228]	{chicken}	=> {citrus fruit}	0.006914082	0.1611374	0.042907982
## [229]	{chicken}	=> {sausage}	0.005287239	0.1232227	0.042907982
## [230]	{chicken}	=> {bottled water}	0.005287239	0.1232227	0.042907982
## [231]	{chicken}	=> {tropical fruit}	0.006405694	0.1492891	0.042907982
## [232]	{chicken}	=> {root vegetables}	0.010879512	0.2535545	0.042907982
## [233]	{chicken}	=> {soda}	0.008337570	0.1943128	0.042907982
## [234]	{chicken}	=> {yogurt}	0.008337570	0.1943128	0.042907982
## [235]	{chicken}	=> {rolls/buns}	0.009659380	0.2251185	0.042907982
## [236]	{chicken}	=> {other vegetables}	0.017895272	0.4170616	0.042907982
## [237]	{chicken}	=> {whole milk}	0.017590239	0.4099526	0.042907982
## [238]	{white bread}	=> {frankfurter}	0.005185562	0.1231884	0.042094560
## [239]	{white bread}	=> {domestic eggs}	0.005795628	0.1376812	0.042094560
## [240]	{white bread}	=> {fruit/vegetable juice}	0.007422471	0.1763285	0.042094560
## [241]	{fruit/vegetable juice}	=> {white bread}	0.007422471	0.1026723	0.072292832
## [242]	{white bread}	=> {whipped/sour cream}	0.005490595	0.1304348	0.042094560
## [243]	{white bread}	=> {pip fruit}	0.006609049	0.1570048	0.042094560
## [244]	{white bread}	=> {pastry}	0.005592272	0.1328502	0.042094560
## [245]	{white bread}	=> {shopping bags}	0.007422471	0.1763285	0.042094560
## [246]	{white bread}	=> {sausage}	0.007219115	0.1714976	0.042094560
## [247]	{white bread}	=> {tropical fruit}	0.008744281	0.2077295	0.042094560
## [248]	{white bread}	=> {root vegetables}	0.007930859	0.1884058	0.042094560
## [249]	{white bread}	=> {soda}	0.010269446	0.2439614	0.042094560
## [250]	{white bread}	=> {yogurt}	0.009049314	0.2149758	0.042094560
## [251]	{white bread}	=> {other vegetables}	0.013726487	0.3260870	0.042094560
## [252]	{white bread}	=> {whole milk}	0.017081851	0.4057971	0.042094560
## [253]	{chocolate}	=> {butter}	0.006202339	0.1250000	0.049618709
## [254]	{butter}	=> {chocolate}	0.006202339	0.1119266	0.055414337
## [255]	{chocolate}	=> {newspapers}	0.005490595	0.1106557	0.049618709
## [256]	{chocolate}	=> {fruit/vegetable juice}	0.006812405	0.1372951	0.049618709
## [257]	{chocolate}	=> {pip fruit}	0.006100661	0.1229508	0.049618709
## [258]	{chocolate}	=> {pastry}	0.008032537	0.1618852	0.049618709
## [259]	{chocolate}	=> {citrus fruit}	0.006405694	0.1290984	0.049618709
## [260]	{chocolate}	=> {shopping bags}	0.008134215	0.1639344	0.049618709
## [261]	{chocolate}	=> {sausage}	0.006609049	0.1331967	0.049618709
## [262]	{chocolate}	=> {bottled water}	0.005795628	0.1168033	0.049618709
## [263]	{chocolate}	=> {tropical fruit}	0.008134215	0.1639344	0.049618709
## [264]	{chocolate}	=> {root vegetables}	0.006405694	0.1290984	0.049618709
## [265]	{chocolate}	=> {soda}	0.013523132	0.2725410	0.049618709

## [266]	{chocolate}	=> {yogurt}	0.009252669	0.1864754	0.049618709
## [267]	{chocolate}	=> {rolls/buns}	0.011794611	0.2377049	0.049618709
## [268]	{chocolate}	=> {other vegetables}	0.012709710	0.2561475	0.049618709
## [269]	{chocolate}	=> {whole milk}	0.016675140	0.3360656	0.049618709
## [270]	{coffee}	=> {fruit/vegetable juice}	0.005998983	0.1033275	0.058057956
## [271]	{coffee}	=> {whipped/sour cream}	0.006100661	0.1050788	0.058057956
## [272]	{coffee}	=> {pip fruit}	0.006914082	0.1190893	0.058057956
## [273]	{coffee}	=> {pastry}	0.006914082	0.1190893	0.058057956
## [274]	{coffee}	=> {citrus fruit}	0.006405694	0.1103327	0.058057956
## [275]	{coffee}	=> {shopping bags}	0.009354347	0.1611208	0.058057956
## [276]	{coffee}	=> {sausage}	0.006914082	0.1190893	0.058057956
## [277]	{coffee}	=> {bottled water}	0.007320793	0.1260946	0.058057956
## [278]	{coffee}	=> {tropical fruit}	0.007117438	0.1225919	0.058057956
## [279]	{coffee}	=> {root vegetables}	0.007320793	0.1260946	0.058057956
## [280]	{coffee}	=> {yogurt}	0.009761057	0.1681261	0.058057956
## [281]	{coffee}	=> {rolls/buns}	0.010981190	0.1891419	0.058057956
## [282]	{coffee}	=> {other vegetables}	0.013421454	0.2311734	0.058057956
## [283]	{coffee}	=> {whole milk}	0.018708693	0.3222417	0.058057956
## [284]	{frozen vegetables}	=> {pork}	0.006405694	0.1331924	0.048093543
## [285]	{pork}	=> {frozen vegetables}	0.006405694	0.1111111	0.057651246
## [286]	{frozen vegetables}	=> {frankfurter}	0.005083884	0.1057082	0.048093543
## [287]	{frozen vegetables}	=> {margarine}	0.005083884	0.1057082	0.048093543
## [288]	{frozen vegetables}	=> {butter}	0.005795628	0.1205074	0.048093543
## [289]	{butter}	=> {frozen vegetables}	0.005795628	0.1045872	0.055414337
## [290]	{frozen vegetables}	=> {domestic eggs}	0.005185562	0.1078224	0.048093543
## [291]	{frozen vegetables}	=> {fruit/vegetable juice}	0.007829181	0.1627907	0.048093543
## [292]	{fruit/vegetable juice}	=> {frozen vegetables}	0.007829181	0.1082982	0.072292832
## [293]	{frozen vegetables}	=> {whipped/sour cream}	0.007930859	0.1649049	0.048093543
## [294]	{whipped/sour cream}	=> {frozen vegetables}	0.007930859	0.1106383	0.071682766
## [295]	{frozen vegetables}	=> {pip fruit}	0.007320793	0.1522199	0.048093543
## [296]	{frozen vegetables}	=> {citrus fruit}	0.006609049	0.1374207	0.048093543
## [297]	{frozen vegetables}	=> {sausage}	0.005998983	0.1247357	0.048093543
## [298]	{frozen vegetables}	=> {bottled water}	0.006202339	0.1289641	0.048093543
## [299]	{frozen vegetables}	=> {tropical fruit}	0.008744281	0.1818182	0.048093543
## [300]	{frozen vegetables}	=> {root vegetables}	0.011591256	0.2410148	0.048093543
## [301]	{root vegetables}	=> {frozen vegetables}	0.011591256	0.1063433	0.108998475
## [302]	{frozen vegetables}	=> {soda}	0.008642603	0.1797040	0.048093543
## [303]	{frozen vegetables}	=> {yogurt}	0.012404677	0.2579281	0.048093543
## [304]	{frozen vegetables}	=> {rolls/buns}	0.010167768	0.2114165	0.048093543
## [305]	{frozen vegetables}	=> {other vegetables}	0.017793594	0.3699789	0.048093543
## [306]	{frozen vegetables}	=> {whole milk}	0.020437214	0.4249471	0.048093543
## [307]	{beef}	=> {pork}	0.007625826	0.1453488	0.052465684
## [308]	{pork}	=> {beef}	0.007625826	0.1322751	0.057651246
## [309]	{beef}	=> {margarine}	0.006202339	0.1182171	0.052465684
## [310]	{margarine}	=> {beef}	0.006202339	0.1059028	0.058566345
## [311]	{beef}	=> {butter}	0.005795628	0.1104651	0.052465684
## [312]	{butter}	=> {beef}	0.005795628	0.1045872	0.055414337
## [313]	{beef}	=> {newspapers}	0.006405694	0.1220930	0.052465684
## [314]	{beef}	=> {domestic eggs}	0.005998983	0.1143411	0.052465684
## [315]	{beef}	=> {whipped/sour cream}	0.006710727	0.1279070	0.052465684
## [316]	{beef}	=> {pastry}	0.006304016	0.1201550	0.052465684
## [317]	{beef}	=> {citrus fruit}	0.008439248	0.1608527	0.052465684
## [318]	{citrus fruit}	=> {beef}	0.008439248	0.1019656	0.082765633
## [319]	{beef}	=> {sausage}	0.005592272	0.1065891	0.052465684

## [320]	{beef}	=> {bottled water}	0.006202339	0.1182171	0.052465684
## [321]	{beef}	=> {tropical fruit}	0.007625826	0.1453488	0.052465684
## [322]	{beef}	=> {root vegetables}	0.017386884	0.3313953	0.052465684
## [323]	{root vegetables}	=> {beef}	0.017386884	0.1595149	0.108998475
## [324]	{beef}	=> {yogurt}	0.011692933	0.2228682	0.052465684
## [325]	{beef}	=> {rolls/buns}	0.013624809	0.2596899	0.052465684
## [326]	{beef}	=> {other vegetables}	0.019725470	0.3759690	0.052465684
## [327]	{other vegetables}	=> {beef}	0.019725470	0.1019443	0.193492628
## [328]	{beef}	=> {whole milk}	0.021250635	0.4050388	0.052465684
## [329]	{curd}	=> {margarine}	0.006304016	0.1183206	0.053279105
## [330]	{margarine}	=> {curd}	0.006304016	0.1076389	0.058566345
## [331]	{curd}	=> {butter}	0.006812405	0.1278626	0.053279105
## [332]	{butter}	=> {curd}	0.006812405	0.1229358	0.055414337
## [333]	{curd}	=> {newspapers}	0.005693950	0.1068702	0.053279105
## [334]	{curd}	=> {domestic eggs}	0.006507372	0.1221374	0.053279105
## [335]	{domestic eggs}	=> {curd}	0.006507372	0.1025641	0.063446873
## [336]	{curd}	=> {whipped/sour cream}	0.010472801	0.1965649	0.053279105
## [337]	{whipped/sour cream}	=> {curd}	0.010472801	0.1460993	0.071682766
## [338]	{curd}	=> {pip fruit}	0.007829181	0.1469466	0.053279105
## [339]	{pip fruit}	=> {curd}	0.007829181	0.1034946	0.075648195
## [340]	{curd}	=> {pastry}	0.007524148	0.1412214	0.053279105
## [341]	{curd}	=> {citrus fruit}	0.007117438	0.1335878	0.053279105
## [342]	{curd}	=> {shopping bags}	0.005388917	0.1011450	0.053279105
## [343]	{curd}	=> {sausage}	0.007625826	0.1431298	0.053279105
## [344]	{curd}	=> {bottled water}	0.006100661	0.1145038	0.053279105
## [345]	{curd}	=> {tropical fruit}	0.010269446	0.1927481	0.053279105
## [346]	{curd}	=> {root vegetables}	0.010879512	0.2041985	0.053279105
## [347]	{curd}	=> {yogurt}	0.017285206	0.3244275	0.053279105
## [348]	{yogurt}	=> {curd}	0.017285206	0.1239067	0.139501779
## [349]	{curd}	=> {rolls/buns}	0.010066090	0.1889313	0.053279105
## [350]	{curd}	=> {other vegetables}	0.017183528	0.3225191	0.053279105
## [351]	{curd}	=> {whole milk}	0.026131164	0.4904580	0.053279105
## [352]	{whole milk}	=> {curd}	0.026131164	0.1022682	0.255516014
## [353]	{napkins}	=> {newspapers}	0.006202339	0.1184466	0.052364006
## [354]	{napkins}	=> {domestic eggs}	0.005998983	0.1145631	0.052364006
## [355]	{napkins}	=> {fruit/vegetable juice}	0.006914082	0.1320388	0.052364006
## [356]	{napkins}	=> {whipped/sour cream}	0.007219115	0.1378641	0.052364006
## [357]	{whipped/sour cream}	=> {napkins}	0.007219115	0.1007092	0.071682766
## [358]	{napkins}	=> {pip fruit}	0.006710727	0.1281553	0.052364006
## [359]	{napkins}	=> {pastry}	0.007015760	0.1339806	0.052364006
## [360]	{napkins}	=> {citrus fruit}	0.007625826	0.1456311	0.052364006
## [361]	{napkins}	=> {shopping bags}	0.007219115	0.1378641	0.052364006
## [362]	{napkins}	=> {sausage}	0.006710727	0.1281553	0.052364006
## [363]	{napkins}	=> {bottled water}	0.008642603	0.1650485	0.052364006
## [364]	{napkins}	=> {tropical fruit}	0.010066090	0.1922330	0.052364006
## [365]	{napkins}	=> {root vegetables}	0.009964413	0.1902913	0.052364006
## [366]	{napkins}	=> {soda}	0.011997966	0.2291262	0.052364006
## [367]	{napkins}	=> {yogurt}	0.012302999	0.2349515	0.052364006
## [368]	{napkins}	=> {rolls/buns}	0.011692933	0.2233010	0.052364006
## [369]	{napkins}	=> {other vegetables}	0.014438231	0.2757282	0.052364006
## [370]	{napkins}	=> {whole milk}	0.019725470	0.3766990	0.052364006
## [371]	{pork}	=> {frankfurter}	0.005897306	0.1022928	0.057651246
## [372]	{pork}	=> {margarine}	0.006405694	0.1111111	0.057651246
## [373]	{margarine}	=> {pork}	0.006405694	0.1093750	0.058566345

## [374]	{pork}	=> {newspapers}	0.006609049	0.1146384	0.057651246
## [375]	{pork}	=> {whipped/sour cream}	0.008235892	0.1428571	0.057651246
## [376]	{whipped/sour cream}	=> {pork}	0.008235892	0.1148936	0.071682766
## [377]	{pork}	=> {pip fruit}	0.006100661	0.1058201	0.057651246
## [378]	{pork}	=> {pastry}	0.006304016	0.1093474	0.057651246
## [379]	{pork}	=> {citrus fruit}	0.006507372	0.1128748	0.057651246
## [380]	{pork}	=> {shopping bags}	0.006405694	0.1111111	0.057651246
## [381]	{pork}	=> {sausage}	0.006507372	0.1128748	0.057651246
## [382]	{pork}	=> {bottled water}	0.007422471	0.1287478	0.057651246
## [383]	{pork}	=> {tropical fruit}	0.008540925	0.1481481	0.057651246
## [384]	{pork}	=> {root vegetables}	0.013624809	0.2363316	0.057651246
## [385]	{root vegetables}	=> {pork}	0.013624809	0.1250000	0.108998475
## [386]	{pork}	=> {soda}	0.011896289	0.2063492	0.057651246
## [387]	{pork}	=> {yogurt}	0.009557702	0.1657848	0.057651246
## [388]	{pork}	=> {rolls/buns}	0.011286223	0.1957672	0.057651246
## [389]	{pork}	=> {other vegetables}	0.021657346	0.3756614	0.057651246
## [390]	{other vegetables}	=> {pork}	0.021657346	0.1119285	0.193492628
## [391]	{pork}	=> {whole milk}	0.022165735	0.3844797	0.057651246
## [392]	{frankfurter}	=> {brown bread}	0.007117438	0.1206897	0.058973055
## [393]	{brown bread}	=> {frankfurter}	0.007117438	0.1097179	0.064870361
## [394]	{frankfurter}	=> {margarine}	0.006405694	0.1086207	0.058973055
## [395]	{margarine}	=> {frankfurter}	0.006405694	0.1093750	0.058566345
## [396]	{frankfurter}	=> {domestic eggs}	0.007015760	0.1189655	0.058973055
## [397]	{domestic eggs}	=> {frankfurter}	0.007015760	0.1105769	0.063446873
## [398]	{frankfurter}	=> {whipped/sour cream}	0.006202339	0.1051724	0.058973055
## [399]	{frankfurter}	=> {pip fruit}	0.007219115	0.1224138	0.058973055
## [400]	{frankfurter}	=> {pastry}	0.008337570	0.1413793	0.058973055
## [401]	{frankfurter}	=> {citrus fruit}	0.006507372	0.1103448	0.058973055
## [402]	{frankfurter}	=> {shopping bags}	0.008235892	0.1396552	0.058973055
## [403]	{frankfurter}	=> {sausage}	0.010066090	0.1706897	0.058973055
## [404]	{sausage}	=> {frankfurter}	0.010066090	0.1071429	0.093950178
## [405]	{frankfurter}	=> {bottled water}	0.007320793	0.1241379	0.058973055
## [406]	{frankfurter}	=> {tropical fruit}	0.009456024	0.1603448	0.058973055
## [407]	{frankfurter}	=> {root vegetables}	0.010167768	0.1724138	0.058973055
## [408]	{frankfurter}	=> {soda}	0.011286223	0.1913793	0.058973055
## [409]	{frankfurter}	=> {yogurt}	0.011184545	0.1896552	0.058973055
## [410]	{frankfurter}	=> {rolls/buns}	0.019217082	0.3258621	0.058973055
## [411]	{rolls/buns}	=> {frankfurter}	0.019217082	0.1044776	0.183934926
## [412]	{frankfurter}	=> {other vegetables}	0.016471784	0.2793103	0.058973055
## [413]	{frankfurter}	=> {whole milk}	0.020538892	0.3482759	0.058973055
## [414]	{margarine}	=> {bottled beer}	0.006100661	0.1041667	0.058566345
## [415]	{butter}	=> {bottled beer}	0.005795628	0.1045872	0.055414337
## [416]	{bottled beer}	=> {bottled water}	0.015760041	0.1957071	0.080528724
## [417]	{bottled water}	=> {bottled beer}	0.015760041	0.1425943	0.110523640
## [418]	{bottled beer}	=> {root vegetables}	0.009659380	0.1199495	0.080528724
## [419]	{bottled beer}	=> {soda}	0.016980173	0.2108586	0.080528724
## [420]	{bottled beer}	=> {other vegetables}	0.016166751	0.2007576	0.080528724
## [421]	{brown bread}	=> {margarine}	0.006507372	0.1003135	0.064870361
## [422]	{margarine}	=> {brown bread}	0.006507372	0.1111111	0.058566345
## [423]	{butter}	=> {brown bread}	0.005795628	0.1045872	0.055414337
## [424]	{brown bread}	=> {newspapers}	0.007625826	0.1175549	0.064870361
## [425]	{brown bread}	=> {domestic eggs}	0.006812405	0.1050157	0.064870361
## [426]	{domestic eggs}	=> {brown bread}	0.006812405	0.1073718	0.063446873
## [427]	{brown bread}	=> {fruit/vegetable juice}	0.008337570	0.1285266	0.064870361

## [428]	{fruit/vegetable juice}	=> {brown bread}	0.008337570	0.1153305	0.072292832
## [429]	{brown bread}	=> {pip fruit}	0.007625826	0.1175549	0.064870361
## [430]	{pip fruit}	=> {brown bread}	0.007625826	0.1008065	0.075648195
## [431]	{brown bread}	=> {pastry}	0.009659380	0.1489028	0.064870361
## [432]	{pastry}	=> {brown bread}	0.009659380	0.1085714	0.088967972
## [433]	{brown bread}	=> {citrus fruit}	0.008337570	0.1285266	0.064870361
## [434]	{citrus fruit}	=> {brown bread}	0.008337570	0.1007371	0.082765633
## [435]	{brown bread}	=> {shopping bags}	0.009252669	0.1426332	0.064870361
## [436]	{brown bread}	=> {sausage}	0.010676157	0.1645768	0.064870361
## [437]	{sausage}	=> {brown bread}	0.010676157	0.1136364	0.093950178
## [438]	{brown bread}	=> {bottled water}	0.008235892	0.1269592	0.064870361
## [439]	{brown bread}	=> {tropical fruit}	0.010676157	0.1645768	0.064870361
## [440]	{tropical fruit}	=> {brown bread}	0.010676157	0.1017442	0.104931368
## [441]	{brown bread}	=> {root vegetables}	0.010167768	0.1567398	0.064870361
## [442]	{brown bread}	=> {soda}	0.012608033	0.1943574	0.064870361
## [443]	{brown bread}	=> {yogurt}	0.014539908	0.2241379	0.064870361
## [444]	{yogurt}	=> {brown bread}	0.014539908	0.1042274	0.139501779
## [445]	{brown bread}	=> {rolls/buns}	0.012608033	0.1943574	0.064870361
## [446]	{brown bread}	=> {other vegetables}	0.018708693	0.2884013	0.064870361
## [447]	{brown bread}	=> {whole milk}	0.025216065	0.3887147	0.064870361
## [448]	{margarine}	=> {butter}	0.006710727	0.1145833	0.058566345
## [449]	{butter}	=> {margarine}	0.006710727	0.1211009	0.055414337
## [450]	{margarine}	=> {newspapers}	0.007117438	0.1215278	0.058566345
## [451]	{margarine}	=> {domestic eggs}	0.008337570	0.1423611	0.058566345
## [452]	{domestic eggs}	=> {margarine}	0.008337570	0.1314103	0.063446873
## [453]	{margarine}	=> {fruit/vegetable juice}	0.006202339	0.1059028	0.058566345
## [454]	{margarine}	=> {whipped/sour cream}	0.006812405	0.1163194	0.058566345
## [455]	{margarine}	=> {pip fruit}	0.008540925	0.1458333	0.058566345
## [456]	{pip fruit}	=> {margarine}	0.008540925	0.1129032	0.075648195
## [457]	{margarine}	=> {pastry}	0.006812405	0.1163194	0.058566345
## [458]	{margarine}	=> {citrus fruit}	0.007930859	0.1354167	0.058566345
## [459]	{margarine}	=> {sausage}	0.007117438	0.1215278	0.058566345
## [460]	{margarine}	=> {bottled water}	0.010269446	0.1753472	0.058566345
## [461]	{margarine}	=> {tropical fruit}	0.009354347	0.1597222	0.058566345
## [462]	{margarine}	=> {root vegetables}	0.011082867	0.1892361	0.058566345
## [463]	{root vegetables}	=> {margarine}	0.011082867	0.1016791	0.108998475
## [464]	{margarine}	=> {yogurt}	0.014234875	0.2430556	0.058566345
## [465]	{yogurt}	=> {margarine}	0.014234875	0.1020408	0.139501779
## [466]	{margarine}	=> {rolls/buns}	0.014743264	0.2517361	0.058566345
## [467]	{margarine}	=> {other vegetables}	0.019725470	0.3368056	0.058566345
## [468]	{other vegetables}	=> {margarine}	0.019725470	0.1019443	0.193492628
## [469]	{margarine}	=> {whole milk}	0.024199288	0.4131944	0.058566345
## [470]	{butter}	=> {newspapers}	0.005795628	0.1045872	0.055414337
## [471]	{butter}	=> {domestic eggs}	0.009659380	0.1743119	0.055414337
## [472]	{domestic eggs}	=> {butter}	0.009659380	0.1522436	0.063446873
## [473]	{butter}	=> {fruit/vegetable juice}	0.008032537	0.1449541	0.055414337
## [474]	{fruit/vegetable juice}	=> {butter}	0.008032537	0.1111111	0.072292832
## [475]	{butter}	=> {whipped/sour cream}	0.010167768	0.1834862	0.055414337
## [476]	{whipped/sour cream}	=> {butter}	0.010167768	0.1418440	0.071682766
## [477]	{butter}	=> {pip fruit}	0.007320793	0.1321101	0.055414337
## [478]	{butter}	=> {pastry}	0.007625826	0.1376147	0.055414337
## [479]	{butter}	=> {citrus fruit}	0.009150991	0.1651376	0.055414337
## [480]	{citrus fruit}	=> {butter}	0.009150991	0.1105651	0.082765633
## [481]	{butter}	=> {sausage}	0.008642603	0.1559633	0.055414337

## [482]	{butter}	=> {bottled water}	0.008947636	0.1614679	0.055414337
## [483]	{butter}	=> {tropical fruit}	0.009964413	0.1798165	0.055414337
## [484]	{butter}	=> {root vegetables}	0.012913066	0.2330275	0.055414337
## [485]	{root vegetables}	=> {butter}	0.012913066	0.1184701	0.108998475
## [486]	{butter}	=> {yogurt}	0.014641586	0.2642202	0.055414337
## [487]	{yogurt}	=> {butter}	0.014641586	0.1049563	0.139501779
## [488]	{butter}	=> {rolls/buns}	0.013421454	0.2422018	0.055414337
## [489]	{butter}	=> {other vegetables}	0.020030503	0.3614679	0.055414337
## [490]	{other vegetables}	=> {butter}	0.020030503	0.1035208	0.193492628
## [491]	{butter}	=> {whole milk}	0.027554652	0.4972477	0.055414337
## [492]	{whole milk}	=> {butter}	0.027554652	0.1078392	0.255516014
## [493]	{domestic eggs}	=> {newspapers}	0.006914082	0.1089744	0.063446873
## [494]	{newspapers}	=> {fruit/vegetable juice}	0.008235892	0.1031847	0.079816980
## [495]	{fruit/vegetable juice}	=> {newspapers}	0.008235892	0.1139241	0.072292832
## [496]	{whipped/sour cream}	=> {newspapers}	0.007219115	0.1007092	0.071682766
## [497]	{newspapers}	=> {pastry}	0.008439248	0.1057325	0.079816980
## [498]	{newspapers}	=> {citrus fruit}	0.008337570	0.1044586	0.079816980
## [499]	{citrus fruit}	=> {newspapers}	0.008337570	0.1007371	0.082765633
## [500]	{newspapers}	=> {sausage}	0.008032537	0.1006369	0.079816980
## [501]	{newspapers}	=> {bottled water}	0.011286223	0.1414013	0.079816980
## [502]	{bottled water}	=> {newspapers}	0.011286223	0.1021159	0.110523640
## [503]	{newspapers}	=> {tropical fruit}	0.011794611	0.1477707	0.079816980
## [504]	{tropical fruit}	=> {newspapers}	0.011794611	0.1124031	0.104931368
## [505]	{newspapers}	=> {root vegetables}	0.011489578	0.1439490	0.079816980
## [506]	{root vegetables}	=> {newspapers}	0.011489578	0.1054104	0.108998475
## [507]	{newspapers}	=> {soda}	0.014641586	0.1834395	0.079816980
## [508]	{newspapers}	=> {yogurt}	0.015353330	0.1923567	0.079816980
## [509]	{yogurt}	=> {newspapers}	0.015353330	0.1100583	0.139501779
## [510]	{newspapers}	=> {rolls/buns}	0.019725470	0.2471338	0.079816980
## [511]	{rolls/buns}	=> {newspapers}	0.019725470	0.1072416	0.183934926
## [512]	{newspapers}	=> {other vegetables}	0.019318760	0.2420382	0.079816980
## [513]	{newspapers}	=> {whole milk}	0.027351296	0.3426752	0.079816980
## [514]	{whole milk}	=> {newspapers}	0.027351296	0.1070434	0.255516014
## [515]	{domestic eggs}	=> {fruit/vegetable juice}	0.008032537	0.1266026	0.063446873
## [516]	{fruit/vegetable juice}	=> {domestic eggs}	0.008032537	0.1111111	0.072292832
## [517]	{domestic eggs}	=> {whipped/sour cream}	0.009964413	0.1570513	0.063446873
## [518]	{whipped/sour cream}	=> {domestic eggs}	0.009964413	0.1390071	0.071682766
## [519]	{domestic eggs}	=> {pip fruit}	0.008642603	0.1362179	0.063446873
## [520]	{pip fruit}	=> {domestic eggs}	0.008642603	0.1142473	0.075648195
## [521]	{domestic eggs}	=> {pastry}	0.009049314	0.1426282	0.063446873
## [522]	{pastry}	=> {domestic eggs}	0.009049314	0.1017143	0.088967972
## [523]	{domestic eggs}	=> {citrus fruit}	0.010371124	0.1634615	0.063446873
## [524]	{citrus fruit}	=> {domestic eggs}	0.010371124	0.1253071	0.082765633
## [525]	{domestic eggs}	=> {shopping bags}	0.009049314	0.1426282	0.063446873
## [526]	{domestic eggs}	=> {sausage}	0.009557702	0.1506410	0.063446873
## [527]	{sausage}	=> {domestic eggs}	0.009557702	0.1017316	0.093950178
## [528]	{domestic eggs}	=> {bottled water}	0.009150991	0.1442308	0.063446873
## [529]	{domestic eggs}	=> {tropical fruit}	0.011387900	0.1794872	0.063446873
## [530]	{tropical fruit}	=> {domestic eggs}	0.011387900	0.1085271	0.104931368
## [531]	{domestic eggs}	=> {root vegetables}	0.014336553	0.2259615	0.063446873
## [532]	{root vegetables}	=> {domestic eggs}	0.014336553	0.1315299	0.108998475
## [533]	{domestic eggs}	=> {soda}	0.012404677	0.1955128	0.063446873
## [534]	{domestic eggs}	=> {yogurt}	0.014336553	0.2259615	0.063446873
## [535]	{yogurt}	=> {domestic eggs}	0.014336553	0.1027697	0.139501779

## [536]	{domestic eggs}	=> {rolls/buns}	0.015658363	0.2467949	0.063446873
## [537]	{domestic eggs}	=> {other vegetables}	0.022267412	0.3509615	0.063446873
## [538]	{other vegetables}	=> {domestic eggs}	0.022267412	0.1150815	0.193492628
## [539]	{domestic eggs}	=> {whole milk}	0.029994916	0.4727564	0.063446873
## [540]	{whole milk}	=> {domestic eggs}	0.029994916	0.1173896	0.255516014
## [541]	{fruit/vegetable juice}	=> {whipped/sour cream}	0.009049314	0.1251758	0.072292832
## [542]	{whipped/sour cream}	=> {fruit/vegetable juice}	0.009049314	0.1262411	0.071682766
## [543]	{fruit/vegetable juice}	=> {pip fruit}	0.009557702	0.1322082	0.072292832
## [544]	{pip fruit}	=> {fruit/vegetable juice}	0.009557702	0.1263441	0.075648195
## [545]	{fruit/vegetable juice}	=> {pastry}	0.008540925	0.1181435	0.072292832
## [546]	{fruit/vegetable juice}	=> {citrus fruit}	0.010371124	0.1434599	0.072292832
## [547]	{citrus fruit}	=> {fruit/vegetable juice}	0.010371124	0.1253071	0.082765633
## [548]	{fruit/vegetable juice}	=> {shopping bags}	0.010676157	0.1476793	0.072292832
## [549]	{shopping bags}	=> {fruit/vegetable juice}	0.010676157	0.1083591	0.098525674
## [550]	{fruit/vegetable juice}	=> {sausage}	0.010066090	0.1392405	0.072292832
## [551]	{sausage}	=> {fruit/vegetable juice}	0.010066090	0.1071429	0.093950178
## [552]	{fruit/vegetable juice}	=> {bottled water}	0.014234875	0.1969058	0.072292832
## [553]	{bottled water}	=> {fruit/vegetable juice}	0.014234875	0.1287948	0.110523640
## [554]	{fruit/vegetable juice}	=> {tropical fruit}	0.013726487	0.1898734	0.072292832
## [555]	{tropical fruit}	=> {fruit/vegetable juice}	0.013726487	0.1308140	0.104931368
## [556]	{fruit/vegetable juice}	=> {root vegetables}	0.011997966	0.1659634	0.072292832
## [557]	{root vegetables}	=> {fruit/vegetable juice}	0.011997966	0.1100746	0.108998475
## [558]	{fruit/vegetable juice}	=> {soda}	0.018403660	0.2545710	0.072292832
## [559]	{soda}	=> {fruit/vegetable juice}	0.018403660	0.1055394	0.174377224
## [560]	{fruit/vegetable juice}	=> {yogurt}	0.018708693	0.2587904	0.072292832
## [561]	{yogurt}	=> {fruit/vegetable juice}	0.018708693	0.1341108	0.139501779
## [562]	{fruit/vegetable juice}	=> {rolls/buns}	0.014539908	0.2011252	0.072292832
## [563]	{fruit/vegetable juice}	=> {other vegetables}	0.021047280	0.2911392	0.072292832
## [564]	{other vegetables}	=> {fruit/vegetable juice}	0.021047280	0.1087756	0.193492628
## [565]	{fruit/vegetable juice}	=> {whole milk}	0.026639553	0.3684951	0.072292832
## [566]	{whole milk}	=> {fruit/vegetable juice}	0.026639553	0.1042579	0.255516014
## [567]	{whipped/sour cream}	=> {pip fruit}	0.009252669	0.1290780	0.071682766
## [568]	{pip fruit}	=> {whipped/sour cream}	0.009252669	0.1223118	0.075648195
## [569]	{whipped/sour cream}	=> {pastry}	0.007524148	0.1049645	0.071682766
## [570]	{whipped/sour cream}	=> {citrus fruit}	0.010879512	0.1517730	0.071682766
## [571]	{citrus fruit}	=> {whipped/sour cream}	0.010879512	0.1314496	0.082765633
## [572]	{whipped/sour cream}	=> {shopping bags}	0.007930859	0.1106383	0.071682766
## [573]	{whipped/sour cream}	=> {sausage}	0.009049314	0.1262411	0.071682766
## [574]	{whipped/sour cream}	=> {bottled water}	0.008744281	0.1219858	0.071682766
## [575]	{whipped/sour cream}	=> {tropical fruit}	0.013828165	0.1929078	0.071682766
## [576]	{tropical fruit}	=> {whipped/sour cream}	0.013828165	0.1317829	0.104931368
## [577]	{whipped/sour cream}	=> {root vegetables}	0.017081851	0.2382979	0.071682766
## [578]	{root vegetables}	=> {whipped/sour cream}	0.017081851	0.1567164	0.108998475
## [579]	{whipped/sour cream}	=> {yogurt}	0.020742247	0.2893617	0.071682766
## [580]	{yogurt}	=> {whipped/sour cream}	0.020742247	0.1486880	0.139501779
## [581]	{whipped/sour cream}	=> {rolls/buns}	0.014641586	0.2042553	0.071682766
## [582]	{whipped/sour cream}	=> {other vegetables}	0.028876462	0.4028369	0.071682766
## [583]	{other vegetables}	=> {whipped/sour cream}	0.028876462	0.1492380	0.193492628
## [584]	{whipped/sour cream}	=> {whole milk}	0.032231825	0.4496454	0.071682766
## [585]	{whole milk}	=> {whipped/sour cream}	0.032231825	0.1261441	0.255516014
## [586]	{pip fruit}	=> {pastry}	0.010676157	0.1411290	0.075648195
## [587]	{pastry}	=> {pip fruit}	0.010676157	0.1200000	0.088967972
## [588]	{pip fruit}	=> {citrus fruit}	0.013828165	0.1827957	0.075648195
## [589]	{citrus fruit}	=> {pip fruit}	0.013828165	0.1670762	0.082765633

## [590]	{pip fruit}	=> {shopping bags}	0.009354347	0.1236559	0.075648195
## [591]	{pip fruit}	=> {sausage}	0.010777834	0.1424731	0.075648195
## [592]	{sausage}	=> {pip fruit}	0.010777834	0.1147186	0.093950178
## [593]	{pip fruit}	=> {bottled water}	0.010574479	0.1397849	0.075648195
## [594]	{pip fruit}	=> {tropical fruit}	0.020437214	0.2701613	0.075648195
## [595]	{tropical fruit}	=> {pip fruit}	0.020437214	0.1947674	0.104931368
## [596]	{pip fruit}	=> {root vegetables}	0.015556685	0.2056452	0.075648195
## [597]	{root vegetables}	=> {pip fruit}	0.015556685	0.1427239	0.108998475
## [598]	{pip fruit}	=> {soda}	0.013319776	0.1760753	0.075648195
## [599]	{pip fruit}	=> {yogurt}	0.017996950	0.2379032	0.075648195
## [600]	{yogurt}	=> {pip fruit}	0.017996950	0.1290087	0.139501779
## [601]	{pip fruit}	=> {rolls/buns}	0.013929842	0.1841398	0.075648195
## [602]	{pip fruit}	=> {other vegetables}	0.026131164	0.3454301	0.075648195
## [603]	{other vegetables}	=> {pip fruit}	0.026131164	0.1350499	0.193492628
## [604]	{pip fruit}	=> {whole milk}	0.030096594	0.3978495	0.075648195
## [605]	{whole milk}	=> {pip fruit}	0.030096594	0.1177875	0.255516014
## [606]	{pastry}	=> {citrus fruit}	0.009761057	0.1097143	0.088967972
## [607]	{citrus fruit}	=> {pastry}	0.009761057	0.1179361	0.082765633
## [608]	{pastry}	=> {shopping bags}	0.011896289	0.1337143	0.088967972
## [609]	{shopping bags}	=> {pastry}	0.011896289	0.1207430	0.098525674
## [610]	{pastry}	=> {sausage}	0.012506355	0.1405714	0.088967972
## [611]	{sausage}	=> {pastry}	0.012506355	0.1331169	0.093950178
## [612]	{pastry}	=> {tropical fruit}	0.013218099	0.1485714	0.088967972
## [613]	{tropical fruit}	=> {pastry}	0.013218099	0.1259690	0.104931368
## [614]	{pastry}	=> {root vegetables}	0.010981190	0.1234286	0.088967972
## [615]	{root vegetables}	=> {pastry}	0.010981190	0.1007463	0.108998475
## [616]	{pastry}	=> {soda}	0.021047280	0.2365714	0.088967972
## [617]	{soda}	=> {pastry}	0.021047280	0.1206997	0.174377224
## [618]	{pastry}	=> {yogurt}	0.017691917	0.1988571	0.088967972
## [619]	{yogurt}	=> {pastry}	0.017691917	0.1268222	0.139501779
## [620]	{pastry}	=> {rolls/buns}	0.020945602	0.2354286	0.088967972
## [621]	{rolls/buns}	=> {pastry}	0.020945602	0.1138751	0.183934926
## [622]	{pastry}	=> {other vegetables}	0.022572445	0.2537143	0.088967972
## [623]	{other vegetables}	=> {pastry}	0.022572445	0.1166579	0.193492628
## [624]	{pastry}	=> {whole milk}	0.033248602	0.3737143	0.088967972
## [625]	{whole milk}	=> {pastry}	0.033248602	0.1301234	0.255516014
## [626]	{citrus fruit}	=> {shopping bags}	0.009761057	0.1179361	0.082765633
## [627]	{citrus fruit}	=> {sausage}	0.011286223	0.1363636	0.082765633
## [628]	{sausage}	=> {citrus fruit}	0.011286223	0.1201299	0.093950178
## [629]	{citrus fruit}	=> {bottled water}	0.013523132	0.1633907	0.082765633
## [630]	{bottled water}	=> {citrus fruit}	0.013523132	0.1223551	0.110523640
## [631]	{citrus fruit}	=> {tropical fruit}	0.019928826	0.2407862	0.082765633
## [632]	{tropical fruit}	=> {citrus fruit}	0.019928826	0.1899225	0.104931368
## [633]	{citrus fruit}	=> {root vegetables}	0.017691917	0.2137592	0.082765633
## [634]	{root vegetables}	=> {citrus fruit}	0.017691917	0.1623134	0.108998475
## [635]	{citrus fruit}	=> {yogurt}	0.021657346	0.2616708	0.082765633
## [636]	{yogurt}	=> {citrus fruit}	0.021657346	0.1552478	0.139501779
## [637]	{citrus fruit}	=> {rolls/buns}	0.016776817	0.2027027	0.082765633
## [638]	{citrus fruit}	=> {other vegetables}	0.028876462	0.3488943	0.082765633
## [639]	{other vegetables}	=> {citrus fruit}	0.028876462	0.1492380	0.193492628
## [640]	{citrus fruit}	=> {whole milk}	0.030503305	0.3685504	0.082765633
## [641]	{whole milk}	=> {citrus fruit}	0.030503305	0.1193792	0.255516014
## [642]	{shopping bags}	=> {sausage}	0.015658363	0.1589267	0.098525674
## [643]	{sausage}	=> {shopping bags}	0.015658363	0.1666667	0.093950178

## [644]	{shopping bags}	=> {bottled water}	0.010981190	0.1114551	0.098525674
## [645]	{shopping bags}	=> {tropical fruit}	0.013523132	0.1372549	0.098525674
## [646]	{tropical fruit}	=> {shopping bags}	0.013523132	0.1288760	0.104931368
## [647]	{shopping bags}	=> {root vegetables}	0.012811388	0.1300310	0.098525674
## [648]	{root vegetables}	=> {shopping bags}	0.012811388	0.1175373	0.108998475
## [649]	{shopping bags}	=> {soda}	0.024605999	0.2497420	0.098525674
## [650]	{soda}	=> {shopping bags}	0.024605999	0.1411079	0.174377224
## [651]	{shopping bags}	=> {yogurt}	0.015251652	0.1547988	0.098525674
## [652]	{yogurt}	=> {shopping bags}	0.015251652	0.1093294	0.139501779
## [653]	{shopping bags}	=> {rolls/buns}	0.019522115	0.1981424	0.098525674
## [654]	{rolls/buns}	=> {shopping bags}	0.019522115	0.1061360	0.183934926
## [655]	{shopping bags}	=> {other vegetables}	0.023182511	0.2352941	0.098525674
## [656]	{other vegetables}	=> {shopping bags}	0.023182511	0.1198108	0.193492628
## [657]	{sausage}	=> {bottled water}	0.011997966	0.1277056	0.093950178
## [658]	{bottled water}	=> {sausage}	0.011997966	0.1085557	0.110523640
## [659]	{sausage}	=> {tropical fruit}	0.013929842	0.1482684	0.093950178
## [660]	{tropical fruit}	=> {sausage}	0.013929842	0.1327519	0.104931368
## [661]	{sausage}	=> {root vegetables}	0.014946619	0.1590909	0.093950178
## [662]	{root vegetables}	=> {sausage}	0.014946619	0.1371269	0.108998475
## [663]	{sausage}	=> {soda}	0.024300966	0.2586580	0.093950178
## [664]	{soda}	=> {sausage}	0.024300966	0.1393586	0.174377224
## [665]	{sausage}	=> {yogurt}	0.019623793	0.2088745	0.093950178
## [666]	{yogurt}	=> {sausage}	0.019623793	0.1406706	0.139501779
## [667]	{sausage}	=> {rolls/buns}	0.030604982	0.3257576	0.093950178
## [668]	{rolls/buns}	=> {sausage}	0.030604982	0.1663903	0.183934926
## [669]	{sausage}	=> {other vegetables}	0.026944586	0.2867965	0.093950178
## [670]	{other vegetables}	=> {sausage}	0.026944586	0.1392538	0.193492628
## [671]	{sausage}	=> {whole milk}	0.029893238	0.3181818	0.093950178
## [672]	{whole milk}	=> {sausage}	0.029893238	0.1169916	0.255516014
## [673]	{bottled water}	=> {tropical fruit}	0.018505338	0.1674333	0.110523640
## [674]	{tropical fruit}	=> {bottled water}	0.018505338	0.1763566	0.104931368
## [675]	{bottled water}	=> {root vegetables}	0.015658363	0.1416743	0.110523640
## [676]	{root vegetables}	=> {bottled water}	0.015658363	0.1436567	0.108998475
## [677]	{bottled water}	=> {soda}	0.028978139	0.2621895	0.110523640
## [678]	{soda}	=> {bottled water}	0.028978139	0.1661808	0.174377224
## [679]	{bottled water}	=> {yogurt}	0.022979156	0.2079117	0.110523640
## [680]	{yogurt}	=> {bottled water}	0.022979156	0.1647230	0.139501779
## [681]	{bottled water}	=> {rolls/buns}	0.024199288	0.2189512	0.110523640
## [682]	{rolls/buns}	=> {bottled water}	0.024199288	0.1315644	0.183934926
## [683]	{bottled water}	=> {other vegetables}	0.024809354	0.2244710	0.110523640
## [684]	{other vegetables}	=> {bottled water}	0.024809354	0.1282186	0.193492628
## [685]	{bottled water}	=> {whole milk}	0.034367056	0.3109476	0.110523640
## [686]	{whole milk}	=> {bottled water}	0.034367056	0.1345006	0.255516014
## [687]	{tropical fruit}	=> {root vegetables}	0.021047280	0.2005814	0.104931368
## [688]	{root vegetables}	=> {tropical fruit}	0.021047280	0.1930970	0.108998475
## [689]	{tropical fruit}	=> {soda}	0.020843925	0.1986434	0.104931368
## [690]	{soda}	=> {tropical fruit}	0.020843925	0.1195335	0.174377224
## [691]	{tropical fruit}	=> {yogurt}	0.029283172	0.2790698	0.104931368
## [692]	{yogurt}	=> {tropical fruit}	0.029283172	0.2099125	0.139501779
## [693]	{tropical fruit}	=> {rolls/buns}	0.024605999	0.2344961	0.104931368
## [694]	{rolls/buns}	=> {tropical fruit}	0.024605999	0.1337756	0.183934926
## [695]	{tropical fruit}	=> {other vegetables}	0.035892222	0.3420543	0.104931368
## [696]	{other vegetables}	=> {tropical fruit}	0.035892222	0.1854966	0.193492628
## [697]	{tropical fruit}	=> {whole milk}	0.042297916	0.4031008	0.104931368

## [698]	{whole milk}	=> {tropical fruit}	0.042297916	0.1655392	0.255516014
## [699]	{root vegetables}	=> {yogurt}	0.025826131	0.2369403	0.108998475
## [700]	{yogurt}	=> {root vegetables}	0.025826131	0.1851312	0.139501779
## [701]	{root vegetables}	=> {rolls/buns}	0.024300966	0.2229478	0.108998475
## [702]	{rolls/buns}	=> {root vegetables}	0.024300966	0.1321172	0.183934926
## [703]	{root vegetables}	=> {other vegetables}	0.047381800	0.4347015	0.108998475
## [704]	{other vegetables}	=> {root vegetables}	0.047381800	0.2448765	0.193492628
## [705]	{root vegetables}	=> {whole milk}	0.048906965	0.4486940	0.108998475
## [706]	{whole milk}	=> {root vegetables}	0.048906965	0.1914047	0.255516014
## [707]	{soda}	=> {yogurt}	0.027351296	0.1568513	0.174377224
## [708]	{yogurt}	=> {soda}	0.027351296	0.1960641	0.139501779
## [709]	{soda}	=> {rolls/buns}	0.038332486	0.2198251	0.174377224
## [710]	{rolls/buns}	=> {soda}	0.038332486	0.2084024	0.183934926
## [711]	{yogurt}	=> {rolls/buns}	0.034367056	0.2463557	0.139501779
## [712]	{rolls/buns}	=> {yogurt}	0.034367056	0.1868436	0.183934926
## [713]	{yogurt}	=> {other vegetables}	0.043416370	0.3112245	0.139501779
## [714]	{other vegetables}	=> {yogurt}	0.043416370	0.2243826	0.193492628
## [715]	{yogurt}	=> {whole milk}	0.056024403	0.4016035	0.139501779
## [716]	{whole milk}	=> {yogurt}	0.056024403	0.2192598	0.255516014
## [717]	{rolls/buns}	=> {other vegetables}	0.042602949	0.2316197	0.183934926
## [718]	{other vegetables}	=> {rolls/buns}	0.042602949	0.2201787	0.193492628
## [719]	{rolls/buns}	=> {whole milk}	0.056634469	0.3079049	0.183934926
## [720]	{whole milk}	=> {rolls/buns}	0.056634469	0.2216474	0.255516014
## [721]	{other vegetables}	=> {whole milk}	0.074834774	0.3867578	0.193492628
## [722]	{whole milk}	=> {other vegetables}	0.074834774	0.2928770	0.255516014
## [723]	{oil,				
##	other vegetables}	=> {whole milk}	0.005083884	0.5102041	0.009964413
## [724]	{oil,				
##	whole milk}	=> {other vegetables}	0.005083884	0.4504505	0.011286223
## [725]	{onions,				
##	root vegetables}	=> {other vegetables}	0.005693950	0.6021505	0.009456024
## [726]	{onions,				
##	other vegetables}	=> {root vegetables}	0.005693950	0.4000000	0.014234875
## [727]	{other vegetables,				
##	root vegetables}	=> {onions}	0.005693950	0.1201717	0.047381800
## [728]	{onions,				
##	other vegetables}	=> {whole milk}	0.006609049	0.4642857	0.014234875
## [729]	{onions,				
##	whole milk}	=> {other vegetables}	0.006609049	0.5462185	0.012099644
## [730]	{hamburger meat,				
##	other vegetables}	=> {whole milk}	0.006304016	0.4558824	0.013828165
## [731]	{hamburger meat,				
##	whole milk}	=> {other vegetables}	0.006304016	0.4275862	0.014743264
## [732]	{hygiene articles,				
##	other vegetables}	=> {whole milk}	0.005185562	0.5425532	0.009557702
## [733]	{hygiene articles,				
##	whole milk}	=> {other vegetables}	0.005185562	0.4047619	0.012811388
## [734]	{other vegetables,				
##	sugar}	=> {whole milk}	0.006304016	0.5849057	0.010777834
## [735]	{sugar,				
##	whole milk}	=> {other vegetables}	0.006304016	0.4189189	0.015048297
## [736]	{long life bakery product,				
##	other vegetables}	=> {whole milk}	0.005693950	0.5333333	0.010676157
## [737]	{long life bakery product,				

##	whole milk}	=> {other vegetables}	0.005693950	0.4210526	0.013523132
## [738]	{cream cheese ,				
##	yogurt}	=> {other vegetables}	0.005185562	0.4285714	0.012099644
## [739]	{cream cheese ,				
##	other vegetables}	=> {yogurt}	0.005185562	0.3953488	0.013116421
## [740]	{other vegetables,				
##	yogurt}	=> {cream cheese }	0.005185562	0.1194379	0.043416370
## [741]	{cream cheese ,				
##	yogurt}	=> {whole milk}	0.006609049	0.5462185	0.012099644
## [742]	{cream cheese ,				
##	whole milk}	=> {yogurt}	0.006609049	0.4166667	0.015861718
## [743]	{whole milk,				
##	yogurt}	=> {cream cheese }	0.006609049	0.1179673	0.056024403
## [744]	{cream cheese ,				
##	other vegetables}	=> {whole milk}	0.006507372	0.4961240	0.013116421
## [745]	{cream cheese ,				
##	whole milk}	=> {other vegetables}	0.006507372	0.4102564	0.015861718
## [746]	{chicken,				
##	root vegetables}	=> {other vegetables}	0.005693950	0.5233645	0.010879512
## [747]	{chicken,				
##	other vegetables}	=> {root vegetables}	0.005693950	0.3181818	0.017895272
## [748]	{other vegetables,				
##	root vegetables}	=> {chicken}	0.005693950	0.1201717	0.047381800
## [749]	{chicken,				
##	root vegetables}	=> {whole milk}	0.005998983	0.5514019	0.010879512
## [750]	{chicken,				
##	whole milk}	=> {root vegetables}	0.005998983	0.3410405	0.017590239
## [751]	{root vegetables,				
##	whole milk}	=> {chicken}	0.005998983	0.1226611	0.048906965
## [752]	{chicken,				
##	rolls/buns}	=> {whole milk}	0.005287239	0.5473684	0.009659380
## [753]	{chicken,				
##	whole milk}	=> {rolls/buns}	0.005287239	0.3005780	0.017590239
## [754]	{chicken,				
##	other vegetables}	=> {whole milk}	0.008439248	0.4715909	0.017895272
## [755]	{chicken,				
##	whole milk}	=> {other vegetables}	0.008439248	0.4797688	0.017590239
## [756]	{other vegetables,				
##	whole milk}	=> {chicken}	0.008439248	0.1127717	0.074834774
## [757]	{other vegetables,				
##	white bread}	=> {whole milk}	0.005897306	0.4296296	0.013726487
## [758]	{white bread,				
##	whole milk}	=> {other vegetables}	0.005897306	0.3452381	0.017081851
## [759]	{chocolate,				
##	soda}	=> {whole milk}	0.005083884	0.3759398	0.013523132
## [760]	{chocolate,				
##	whole milk}	=> {soda}	0.005083884	0.3048780	0.016675140
## [761]	{soda,				
##	whole milk}	=> {chocolate}	0.005083884	0.1269036	0.040061007
## [762]	{chocolate,				
##	other vegetables}	=> {whole milk}	0.005490595	0.4320000	0.012709710
## [763]	{chocolate,				
##	whole milk}	=> {other vegetables}	0.005490595	0.3292683	0.016675140
## [764]	{coffee,				

##	yogurt}	=> {whole milk}	0.005083884	0.5208333	0.009761057
## [765]	{coffee,				
##	whole milk}	=> {yogurt}	0.005083884	0.2717391	0.018708693
## [766]	{coffee,				
##	other vegetables}	=> {whole milk}	0.006405694	0.4772727	0.013421454
## [767]	{coffee,				
##	whole milk}	=> {other vegetables}	0.006405694	0.3423913	0.018708693
## [768]	{frozen vegetables,				
##	root vegetables}	=> {other vegetables}	0.006100661	0.5263158	0.011591256
## [769]	{frozen vegetables,				
##	other vegetables}	=> {root vegetables}	0.006100661	0.3428571	0.017793594
## [770]	{other vegetables,				
##	root vegetables}	=> {frozen vegetables}	0.006100661	0.1287554	0.047381800
## [771]	{frozen vegetables,				
##	root vegetables}	=> {whole milk}	0.006202339	0.5350877	0.011591256
## [772]	{frozen vegetables,				
##	whole milk}	=> {root vegetables}	0.006202339	0.3034826	0.020437214
## [773]	{root vegetables,				
##	whole milk}	=> {frozen vegetables}	0.006202339	0.1268191	0.048906965
## [774]	{frozen vegetables,				
##	yogurt}	=> {other vegetables}	0.005287239	0.4262295	0.012404677
## [775]	{frozen vegetables,				
##	other vegetables}	=> {yogurt}	0.005287239	0.2971429	0.017793594
## [776]	{other vegetables,				
##	yogurt}	=> {frozen vegetables}	0.005287239	0.1217799	0.043416370
## [777]	{frozen vegetables,				
##	yogurt}	=> {whole milk}	0.006100661	0.4918033	0.012404677
## [778]	{frozen vegetables,				
##	whole milk}	=> {yogurt}	0.006100661	0.2985075	0.020437214
## [779]	{whole milk,				
##	yogurt}	=> {frozen vegetables}	0.006100661	0.1088929	0.056024403
## [780]	{frozen vegetables,				
##	rolls/buns}	=> {whole milk}	0.005083884	0.5000000	0.010167768
## [781]	{frozen vegetables,				
##	whole milk}	=> {rolls/buns}	0.005083884	0.2487562	0.020437214
## [782]	{frozen vegetables,				
##	other vegetables}	=> {whole milk}	0.009659380	0.5428571	0.017793594
## [783]	{frozen vegetables,				
##	whole milk}	=> {other vegetables}	0.009659380	0.4726368	0.020437214
## [784]	{other vegetables,				
##	whole milk}	=> {frozen vegetables}	0.009659380	0.1290761	0.074834774
## [785]	{beef,				
##	root vegetables}	=> {other vegetables}	0.007930859	0.4561404	0.017386884
## [786]	{beef,				
##	other vegetables}	=> {root vegetables}	0.007930859	0.4020619	0.019725470
## [787]	{other vegetables,				
##	root vegetables}	=> {beef}	0.007930859	0.1673820	0.047381800
## [788]	{beef,				
##	root vegetables}	=> {whole milk}	0.008032537	0.4619883	0.017386884
## [789]	{beef,				
##	whole milk}	=> {root vegetables}	0.008032537	0.3779904	0.021250635
## [790]	{root vegetables,				
##	whole milk}	=> {beef}	0.008032537	0.1642412	0.048906965
## [791]	{beef,				

##	yogurt}	=> {other vegetables}	0.005185562	0.4434783	0.011692933
## [792]	{beef,				
##	other vegetables}	=> {yogurt}	0.005185562	0.2628866	0.019725470
## [793]	{other vegetables,				
##	yogurt}	=> {beef}	0.005185562	0.1194379	0.043416370
## [794]	{beef,				
##	yogurt}	=> {whole milk}	0.006100661	0.5217391	0.011692933
## [795]	{beef,				
##	whole milk}	=> {yogurt}	0.006100661	0.2870813	0.021250635
## [796]	{whole milk,				
##	yogurt}	=> {beef}	0.006100661	0.1088929	0.056024403
## [797]	{beef,				
##	rolls/buns}	=> {other vegetables}	0.005795628	0.4253731	0.013624809
## [798]	{beef,				
##	other vegetables}	=> {rolls/buns}	0.005795628	0.2938144	0.019725470
## [799]	{other vegetables,				
##	rolls/buns}	=> {beef}	0.005795628	0.1360382	0.042602949
## [800]	{beef,				
##	rolls/buns}	=> {whole milk}	0.006812405	0.5000000	0.013624809
## [801]	{beef,				
##	whole milk}	=> {rolls/buns}	0.006812405	0.3205742	0.021250635
## [802]	{rolls/buns,				
##	whole milk}	=> {beef}	0.006812405	0.1202873	0.056634469
## [803]	{beef,				
##	other vegetables}	=> {whole milk}	0.009252669	0.4690722	0.019725470
## [804]	{beef,				
##	whole milk}	=> {other vegetables}	0.009252669	0.4354067	0.021250635
## [805]	{other vegetables,				
##	whole milk}	=> {beef}	0.009252669	0.1236413	0.074834774
## [806]	{curd,				
##	whipped/sour cream}	=> {whole milk}	0.005897306	0.5631068	0.010472801
## [807]	{curd,				
##	whole milk}	=> {whipped/sour cream}	0.005897306	0.2256809	0.026131164
## [808]	{whipped/sour cream,				
##	whole milk}	=> {curd}	0.005897306	0.1829653	0.032231825
## [809]	{curd,				
##	tropical fruit}	=> {yogurt}	0.005287239	0.5148515	0.010269446
## [810]	{curd,				
##	yogurt}	=> {tropical fruit}	0.005287239	0.3058824	0.017285206
## [811]	{tropical fruit,				
##	yogurt}	=> {curd}	0.005287239	0.1805556	0.029283172
## [812]	{curd,				
##	tropical fruit}	=> {other vegetables}	0.005287239	0.5148515	0.010269446
## [813]	{curd,				
##	other vegetables}	=> {tropical fruit}	0.005287239	0.3076923	0.017183528
## [814]	{other vegetables,				
##	tropical fruit}	=> {curd}	0.005287239	0.1473088	0.035892222
## [815]	{curd,				
##	tropical fruit}	=> {whole milk}	0.006507372	0.6336634	0.010269446
## [816]	{curd,				
##	whole milk}	=> {tropical fruit}	0.006507372	0.2490272	0.026131164
## [817]	{tropical fruit,				
##	whole milk}	=> {curd}	0.006507372	0.1538462	0.042297916
## [818]	{curd,				

##	root vegetables}	=> {other vegetables}	0.005490595	0.5046729	0.010879512
## [819]	{curd,				
##	other vegetables}	=> {root vegetables}	0.005490595	0.3195266	0.017183528
## [820]	{other vegetables,				
##	root vegetables}	=> {curd}	0.005490595	0.1158798	0.047381800
## [821]	{curd,				
##	root vegetables}	=> {whole milk}	0.006202339	0.5700935	0.010879512
## [822]	{curd,				
##	whole milk}	=> {root vegetables}	0.006202339	0.2373541	0.026131164
## [823]	{root vegetables,				
##	whole milk}	=> {curd}	0.006202339	0.1268191	0.048906965
## [824]	{curd,				
##	yogurt}	=> {other vegetables}	0.006100661	0.3529412	0.017285206
## [825]	{curd,				
##	other vegetables}	=> {yogurt}	0.006100661	0.3550296	0.017183528
## [826]	{other vegetables,				
##	yogurt}	=> {curd}	0.006100661	0.1405152	0.043416370
## [827]	{curd,				
##	yogurt}	=> {whole milk}	0.010066090	0.5823529	0.017285206
## [828]	{curd,				
##	whole milk}	=> {yogurt}	0.010066090	0.3852140	0.026131164
## [829]	{whole milk,				
##	yogurt}	=> {curd}	0.010066090	0.1796733	0.056024403
## [830]	{curd,				
##	rolls/buns}	=> {whole milk}	0.005897306	0.5858586	0.010066090
## [831]	{curd,				
##	whole milk}	=> {rolls/buns}	0.005897306	0.2256809	0.026131164
## [832]	{rolls/buns,				
##	whole milk}	=> {curd}	0.005897306	0.1041293	0.056634469
## [833]	{curd,				
##	other vegetables}	=> {whole milk}	0.009862735	0.5739645	0.017183528
## [834]	{curd,				
##	whole milk}	=> {other vegetables}	0.009862735	0.3774319	0.026131164
## [835]	{other vegetables,				
##	whole milk}	=> {curd}	0.009862735	0.1317935	0.074834774
## [836]	{napkins,				
##	yogurt}	=> {whole milk}	0.006100661	0.4958678	0.012302999
## [837]	{napkins,				
##	whole milk}	=> {yogurt}	0.006100661	0.3092784	0.019725470
## [838]	{whole milk,				
##	yogurt}	=> {napkins}	0.006100661	0.1088929	0.056024403
## [839]	{napkins,				
##	rolls/buns}	=> {whole milk}	0.005287239	0.4521739	0.011692933
## [840]	{napkins,				
##	whole milk}	=> {rolls/buns}	0.005287239	0.2680412	0.019725470
## [841]	{napkins,				
##	other vegetables}	=> {whole milk}	0.006812405	0.4718310	0.014438231
## [842]	{napkins,				
##	whole milk}	=> {other vegetables}	0.006812405	0.3453608	0.019725470
## [843]	{pork,				
##	root vegetables}	=> {other vegetables}	0.007015760	0.5149254	0.013624809
## [844]	{other vegetables,				
##	pork}	=> {root vegetables}	0.007015760	0.3239437	0.021657346
## [845]	{other vegetables,				

##	root vegetables}	=> {pork}	0.007015760	0.1480687	0.047381800
## [846]	{pork,				
##	root vegetables}	=> {whole milk}	0.006812405	0.5000000	0.013624809
## [847]	{pork,				
##	whole milk}	=> {root vegetables}	0.006812405	0.3073394	0.022165735
## [848]	{root vegetables,				
##	whole milk}	=> {pork}	0.006812405	0.1392931	0.048906965
## [849]	{pork,				
##	rolls/buns}	=> {other vegetables}	0.005592272	0.4954955	0.011286223
## [850]	{other vegetables,				
##	pork}	=> {rolls/buns}	0.005592272	0.2582160	0.021657346
## [851]	{other vegetables,				
##	rolls/buns}	=> {pork}	0.005592272	0.1312649	0.042602949
## [852]	{pork,				
##	rolls/buns}	=> {whole milk}	0.006202339	0.5495495	0.011286223
## [853]	{pork,				
##	whole milk}	=> {rolls/buns}	0.006202339	0.2798165	0.022165735
## [854]	{rolls/buns,				
##	whole milk}	=> {pork}	0.006202339	0.1095153	0.056634469
## [855]	{other vegetables,				
##	pork}	=> {whole milk}	0.010167768	0.4694836	0.021657346
## [856]	{pork,				
##	whole milk}	=> {other vegetables}	0.010167768	0.4587156	0.022165735
## [857]	{other vegetables,				
##	whole milk}	=> {pork}	0.010167768	0.1358696	0.074834774
## [858]	{frankfurter,				
##	tropical fruit}	=> {whole milk}	0.005185562	0.5483871	0.009456024
## [859]	{frankfurter,				
##	whole milk}	=> {tropical fruit}	0.005185562	0.2524752	0.020538892
## [860]	{tropical fruit,				
##	whole milk}	=> {frankfurter}	0.005185562	0.1225962	0.042297916
## [861]	{frankfurter,				
##	root vegetables}	=> {whole milk}	0.005083884	0.5000000	0.010167768
## [862]	{frankfurter,				
##	whole milk}	=> {root vegetables}	0.005083884	0.2475248	0.020538892
## [863]	{root vegetables,				
##	whole milk}	=> {frankfurter}	0.005083884	0.1039501	0.048906965
## [864]	{frankfurter,				
##	yogurt}	=> {whole milk}	0.006202339	0.5545455	0.011184545
## [865]	{frankfurter,				
##	whole milk}	=> {yogurt}	0.006202339	0.3019802	0.020538892
## [866]	{whole milk,				
##	yogurt}	=> {frankfurter}	0.006202339	0.1107078	0.056024403
## [867]	{frankfurter,				
##	rolls/buns}	=> {other vegetables}	0.005592272	0.2910053	0.019217082
## [868]	{frankfurter,				
##	other vegetables}	=> {rolls/buns}	0.005592272	0.3395062	0.016471784
## [869]	{other vegetables,				
##	rolls/buns}	=> {frankfurter}	0.005592272	0.1312649	0.042602949
## [870]	{frankfurter,				
##	rolls/buns}	=> {whole milk}	0.005998983	0.3121693	0.019217082
## [871]	{frankfurter,				
##	whole milk}	=> {rolls/buns}	0.005998983	0.2920792	0.020538892
## [872]	{rolls/buns,				

##	whole milk}	=> {frankfurter}	0.005998983	0.1059246	0.056634469
## [873]	{frankfurter,				
##	other vegetables}	=> {whole milk}	0.007625826	0.4629630	0.016471784
## [874]	{frankfurter,				
##	whole milk}	=> {other vegetables}	0.007625826	0.3712871	0.020538892
## [875]	{other vegetables,				
##	whole milk}	=> {frankfurter}	0.007625826	0.1019022	0.074834774
## [876]	{bottled beer,				
##	bottled water}	=> {soda}	0.005083884	0.3225806	0.015760041
## [877]	{bottled beer,				
##	soda}	=> {bottled water}	0.005083884	0.2994012	0.016980173
## [878]	{bottled water,				
##	soda}	=> {bottled beer}	0.005083884	0.1754386	0.028978139
## [879]	{bottled beer,				
##	bottled water}	=> {whole milk}	0.006100661	0.3870968	0.015760041
## [880]	{bottled beer,				
##	whole milk}	=> {bottled water}	0.006100661	0.2985075	0.020437214
## [881]	{bottled water,				
##	whole milk}	=> {bottled beer}	0.006100661	0.1775148	0.034367056
## [882]	{bottled beer,				
##	yogurt}	=> {whole milk}	0.005185562	0.5604396	0.009252669
## [883]	{bottled beer,				
##	whole milk}	=> {yogurt}	0.005185562	0.2537313	0.020437214
## [884]	{bottled beer,				
##	rolls/buns}	=> {whole milk}	0.005388917	0.3955224	0.013624809
## [885]	{bottled beer,				
##	whole milk}	=> {rolls/buns}	0.005388917	0.2636816	0.020437214
## [886]	{bottled beer,				
##	other vegetables}	=> {whole milk}	0.007625826	0.4716981	0.016166751
## [887]	{bottled beer,				
##	whole milk}	=> {other vegetables}	0.007625826	0.3731343	0.020437214
## [888]	{other vegetables,				
##	whole milk}	=> {bottled beer}	0.007625826	0.1019022	0.074834774
## [889]	{brown bread,				
##	tropical fruit}	=> {whole milk}	0.005693950	0.5333333	0.010676157
## [890]	{brown bread,				
##	whole milk}	=> {tropical fruit}	0.005693950	0.2258065	0.025216065
## [891]	{tropical fruit,				
##	whole milk}	=> {brown bread}	0.005693950	0.1346154	0.042297916
## [892]	{brown bread,				
##	root vegetables}	=> {whole milk}	0.005693950	0.5600000	0.010167768
## [893]	{brown bread,				
##	whole milk}	=> {root vegetables}	0.005693950	0.2258065	0.025216065
## [894]	{root vegetables,				
##	whole milk}	=> {brown bread}	0.005693950	0.1164241	0.048906965
## [895]	{brown bread,				
##	soda}	=> {whole milk}	0.005083884	0.4032258	0.012608033
## [896]	{brown bread,				
##	whole milk}	=> {soda}	0.005083884	0.2016129	0.025216065
## [897]	{soda,				
##	whole milk}	=> {brown bread}	0.005083884	0.1269036	0.040061007
## [898]	{brown bread,				
##	yogurt}	=> {other vegetables}	0.005185562	0.3566434	0.014539908
## [899]	{brown bread,				

##	other vegetables}	=> {yogurt}	0.005185562	0.2771739	0.018708693
## [900]	{other vegetables,				
##	yogurt}	=> {brown bread}	0.005185562	0.1194379	0.043416370
## [901]	{brown bread,				
##	yogurt}	=> {whole milk}	0.007117438	0.4895105	0.014539908
## [902]	{brown bread,				
##	whole milk}	=> {yogurt}	0.007117438	0.2822581	0.025216065
## [903]	{whole milk,				
##	yogurt}	=> {brown bread}	0.007117438	0.1270417	0.056024403
## [904]	{brown bread,				
##	rolls/buns}	=> {whole milk}	0.005287239	0.4193548	0.012608033
## [905]	{brown bread,				
##	whole milk}	=> {rolls/buns}	0.005287239	0.2096774	0.025216065
## [906]	{brown bread,				
##	other vegetables}	=> {whole milk}	0.009354347	0.5000000	0.018708693
## [907]	{brown bread,				
##	whole milk}	=> {other vegetables}	0.009354347	0.3709677	0.025216065
## [908]	{other vegetables,				
##	whole milk}	=> {brown bread}	0.009354347	0.1250000	0.074834774
## [909]	{domestic eggs,				
##	margarine}	=> {whole milk}	0.005185562	0.6219512	0.008337570
## [910]	{margarine,				
##	whole milk}	=> {domestic eggs}	0.005185562	0.2142857	0.024199288
## [911]	{domestic eggs,				
##	whole milk}	=> {margarine}	0.005185562	0.1728814	0.029994916
## [912]	{margarine,				
##	root vegetables}	=> {other vegetables}	0.005897306	0.5321101	0.011082867
## [913]	{margarine,				
##	other vegetables}	=> {root vegetables}	0.005897306	0.2989691	0.019725470
## [914]	{other vegetables,				
##	root vegetables}	=> {margarine}	0.005897306	0.1244635	0.047381800
## [915]	{margarine,				
##	yogurt}	=> {other vegetables}	0.005693950	0.4000000	0.014234875
## [916]	{margarine,				
##	other vegetables}	=> {yogurt}	0.005693950	0.2886598	0.019725470
## [917]	{other vegetables,				
##	yogurt}	=> {margarine}	0.005693950	0.1311475	0.043416370
## [918]	{margarine,				
##	yogurt}	=> {whole milk}	0.007015760	0.4928571	0.014234875
## [919]	{margarine,				
##	whole milk}	=> {yogurt}	0.007015760	0.2899160	0.024199288
## [920]	{whole milk,				
##	yogurt}	=> {margarine}	0.007015760	0.1252269	0.056024403
## [921]	{margarine,				
##	rolls/buns}	=> {other vegetables}	0.005185562	0.3517241	0.014743264
## [922]	{margarine,				
##	other vegetables}	=> {rolls/buns}	0.005185562	0.2628866	0.019725470
## [923]	{other vegetables,				
##	rolls/buns}	=> {margarine}	0.005185562	0.1217184	0.042602949
## [924]	{margarine,				
##	rolls/buns}	=> {whole milk}	0.007930859	0.5379310	0.014743264
## [925]	{margarine,				
##	whole milk}	=> {rolls/buns}	0.007930859	0.3277311	0.024199288
## [926]	{rolls/buns,				

##	whole milk}	=> {margarine}	0.007930859	0.1400359	0.056634469
## [927]	{margarine,				
##	other vegetables}	=> {whole milk}	0.009252669	0.4690722	0.019725470
## [928]	{margarine,				
##	whole milk}	=> {other vegetables}	0.009252669	0.3823529	0.024199288
## [929]	{other vegetables,				
##	whole milk}	=> {margarine}	0.009252669	0.1236413	0.074834774
## [930]	{butter,				
##	domestic eggs}	=> {whole milk}	0.005998983	0.6210526	0.009659380
## [931]	{butter,				
##	whole milk}	=> {domestic eggs}	0.005998983	0.2177122	0.027554652
## [932]	{domestic eggs,				
##	whole milk}	=> {butter}	0.005998983	0.2000000	0.029994916
## [933]	{butter,				
##	whipped/sour cream}	=> {other vegetables}	0.005795628	0.5700000	0.010167768
## [934]	{butter,				
##	other vegetables}	=> {whipped/sour cream}	0.005795628	0.2893401	0.020030503
## [935]	{other vegetables,				
##	whipped/sour cream}	=> {butter}	0.005795628	0.2007042	0.028876462
## [936]	{butter,				
##	whipped/sour cream}	=> {whole milk}	0.006710727	0.6600000	0.010167768
## [937]	{butter,				
##	whole milk}	=> {whipped/sour cream}	0.006710727	0.2435424	0.027554652
## [938]	{whipped/sour cream,				
##	whole milk}	=> {butter}	0.006710727	0.2082019	0.032231825
## [939]	{butter,				
##	citrus fruit}	=> {whole milk}	0.005083884	0.5555556	0.009150991
## [940]	{butter,				
##	whole milk}	=> {citrus fruit}	0.005083884	0.1845018	0.027554652
## [941]	{citrus fruit,				
##	whole milk}	=> {butter}	0.005083884	0.1666667	0.030503305
## [942]	{bottled water,				
##	butter}	=> {whole milk}	0.005388917	0.6022727	0.008947636
## [943]	{butter,				
##	whole milk}	=> {bottled water}	0.005388917	0.1955720	0.027554652
## [944]	{bottled water,				
##	whole milk}	=> {butter}	0.005388917	0.1568047	0.034367056
## [945]	{butter,				
##	tropical fruit}	=> {other vegetables}	0.005490595	0.5510204	0.009964413
## [946]	{butter,				
##	other vegetables}	=> {tropical fruit}	0.005490595	0.2741117	0.020030503
## [947]	{other vegetables,				
##	tropical fruit}	=> {butter}	0.005490595	0.1529745	0.035892222
## [948]	{butter,				
##	tropical fruit}	=> {whole milk}	0.006202339	0.6224490	0.009964413
## [949]	{butter,				
##	whole milk}	=> {tropical fruit}	0.006202339	0.2250923	0.027554652
## [950]	{tropical fruit,				
##	whole milk}	=> {butter}	0.006202339	0.1466346	0.042297916
## [951]	{butter,				
##	root vegetables}	=> {other vegetables}	0.006609049	0.5118110	0.012913066
## [952]	{butter,				
##	other vegetables}	=> {root vegetables}	0.006609049	0.3299492	0.020030503
## [953]	{other vegetables,				

##	root vegetables}	=> {butter}	0.006609049	0.1394850	0.047381800
## [954]	{butter,				
##	root vegetables}	=> {whole milk}	0.008235892	0.6377953	0.012913066
## [955]	{butter,				
##	whole milk}	=> {root vegetables}	0.008235892	0.2988930	0.027554652
## [956]	{root vegetables,				
##	whole milk}	=> {butter}	0.008235892	0.1683992	0.048906965
## [957]	{butter,				
##	yogurt}	=> {other vegetables}	0.006405694	0.4375000	0.014641586
## [958]	{butter,				
##	other vegetables}	=> {yogurt}	0.006405694	0.3197970	0.020030503
## [959]	{other vegetables,				
##	yogurt}	=> {butter}	0.006405694	0.1475410	0.043416370
## [960]	{butter,				
##	yogurt}	=> {whole milk}	0.009354347	0.6388889	0.014641586
## [961]	{butter,				
##	whole milk}	=> {yogurt}	0.009354347	0.3394834	0.027554652
## [962]	{whole milk,				
##	yogurt}	=> {butter}	0.009354347	0.1669691	0.056024403
## [963]	{butter,				
##	rolls/buns}	=> {other vegetables}	0.005693950	0.4242424	0.013421454
## [964]	{butter,				
##	other vegetables}	=> {rolls/buns}	0.005693950	0.2842640	0.020030503
## [965]	{other vegetables,				
##	rolls/buns}	=> {butter}	0.005693950	0.1336516	0.042602949
## [966]	{butter,				
##	rolls/buns}	=> {whole milk}	0.006609049	0.4924242	0.013421454
## [967]	{butter,				
##	whole milk}	=> {rolls/buns}	0.006609049	0.2398524	0.027554652
## [968]	{rolls/buns,				
##	whole milk}	=> {butter}	0.006609049	0.1166966	0.056634469
## [969]	{butter,				
##	other vegetables}	=> {whole milk}	0.011489578	0.5736041	0.020030503
## [970]	{butter,				
##	whole milk}	=> {other vegetables}	0.011489578	0.4169742	0.027554652
## [971]	{other vegetables,				
##	whole milk}	=> {butter}	0.011489578	0.1535326	0.074834774
## [972]	{newspapers,				
##	tropical fruit}	=> {whole milk}	0.005083884	0.4310345	0.011794611
## [973]	{newspapers,				
##	whole milk}	=> {tropical fruit}	0.005083884	0.1858736	0.027351296
## [974]	{tropical fruit,				
##	whole milk}	=> {newspapers}	0.005083884	0.1201923	0.042297916
## [975]	{newspapers,				
##	root vegetables}	=> {other vegetables}	0.005998983	0.5221239	0.011489578
## [976]	{newspapers,				
##	other vegetables}	=> {root vegetables}	0.005998983	0.3105263	0.019318760
## [977]	{other vegetables,				
##	root vegetables}	=> {newspapers}	0.005998983	0.1266094	0.047381800
## [978]	{newspapers,				
##	root vegetables}	=> {whole milk}	0.005795628	0.5044248	0.011489578
## [979]	{newspapers,				
##	whole milk}	=> {root vegetables}	0.005795628	0.2118959	0.027351296
## [980]	{root vegetables,				

##	whole milk}	=> {newspapers}	0.005795628	0.1185031	0.048906965
## [981]	{newspapers,				
##	yogurt}	=> {rolls/buns}	0.005083884	0.3311258	0.015353330
## [982]	{newspapers,				
##	rolls/buns}	=> {yogurt}	0.005083884	0.2577320	0.019725470
## [983]	{rolls/buns,				
##	yogurt}	=> {newspapers}	0.005083884	0.1479290	0.034367056
## [984]	{newspapers,				
##	yogurt}	=> {other vegetables}	0.005592272	0.3642384	0.015353330
## [985]	{newspapers,				
##	other vegetables}	=> {yogurt}	0.005592272	0.2894737	0.019318760
## [986]	{other vegetables,				
##	yogurt}	=> {newspapers}	0.005592272	0.1288056	0.043416370
## [987]	{newspapers,				
##	yogurt}	=> {whole milk}	0.006609049	0.4304636	0.015353330
## [988]	{newspapers,				
##	whole milk}	=> {yogurt}	0.006609049	0.2416357	0.027351296
## [989]	{whole milk,				
##	yogurt}	=> {newspapers}	0.006609049	0.1179673	0.056024403
## [990]	{newspapers,				
##	rolls/buns}	=> {other vegetables}	0.005490595	0.2783505	0.019725470
## [991]	{newspapers,				
##	other vegetables}	=> {rolls/buns}	0.005490595	0.2842105	0.019318760
## [992]	{other vegetables,				
##	rolls/buns}	=> {newspapers}	0.005490595	0.1288783	0.042602949
## [993]	{newspapers,				
##	rolls/buns}	=> {whole milk}	0.007625826	0.3865979	0.019725470
## [994]	{newspapers,				
##	whole milk}	=> {rolls/buns}	0.007625826	0.2788104	0.027351296
## [995]	{rolls/buns,				
##	whole milk}	=> {newspapers}	0.007625826	0.1346499	0.056634469
## [996]	{newspapers,				
##	other vegetables}	=> {whole milk}	0.008337570	0.4315789	0.019318760
## [997]	{newspapers,				
##	whole milk}	=> {other vegetables}	0.008337570	0.3048327	0.027351296
## [998]	{other vegetables,				
##	whole milk}	=> {newspapers}	0.008337570	0.1114130	0.074834774
## [999]	{domestic eggs,				
##	whipped/sour cream}	=> {other vegetables}	0.005083884	0.5102041	0.009964413
## [1000]	{domestic eggs,				
##	other vegetables}	=> {whipped/sour cream}	0.005083884	0.2283105	0.022267412
## [1001]	{other vegetables,				
##	whipped/sour cream}	=> {domestic eggs}	0.005083884	0.1760563	0.028876462
## [1002]	{domestic eggs,				
##	whipped/sour cream}	=> {whole milk}	0.005693950	0.5714286	0.009964413
## [1003]	{domestic eggs,				
##	whole milk}	=> {whipped/sour cream}	0.005693950	0.1898305	0.029994916
## [1004]	{whipped/sour cream,				
##	whole milk}	=> {domestic eggs}	0.005693950	0.1766562	0.032231825
## [1005]	{domestic eggs,				
##	pip fruit}	=> {whole milk}	0.005388917	0.6235294	0.008642603
## [1006]	{domestic eggs,				
##	whole milk}	=> {pip fruit}	0.005388917	0.1796610	0.029994916
## [1007]	{pip fruit,				

##	whole milk}	=> {domestic eggs}	0.005388917	0.1790541	0.030096594
## [1008]	{citrus fruit,				
##	domestic eggs}	=> {whole milk}	0.005693950	0.5490196	0.010371124
## [1009]	{domestic eggs,				
##	whole milk}	=> {citrus fruit}	0.005693950	0.1898305	0.029994916
## [1010]	{citrus fruit,				
##	whole milk}	=> {domestic eggs}	0.005693950	0.1866667	0.030503305
## [1011]	{domestic eggs,				
##	tropical fruit}	=> {whole milk}	0.006914082	0.6071429	0.011387900
## [1012]	{domestic eggs,				
##	whole milk}	=> {tropical fruit}	0.006914082	0.2305085	0.029994916
## [1013]	{tropical fruit,				
##	whole milk}	=> {domestic eggs}	0.006914082	0.1634615	0.042297916
## [1014]	{domestic eggs,				
##	root vegetables}	=> {other vegetables}	0.007320793	0.5106383	0.014336553
## [1015]	{domestic eggs,				
##	other vegetables}	=> {root vegetables}	0.007320793	0.3287671	0.022267412
## [1016]	{other vegetables,				
##	root vegetables}	=> {domestic eggs}	0.007320793	0.1545064	0.047381800
## [1017]	{domestic eggs,				
##	root vegetables}	=> {whole milk}	0.008540925	0.5957447	0.014336553
## [1018]	{domestic eggs,				
##	whole milk}	=> {root vegetables}	0.008540925	0.2847458	0.029994916
## [1019]	{root vegetables,				
##	whole milk}	=> {domestic eggs}	0.008540925	0.1746362	0.048906965
## [1020]	{domestic eggs,				
##	soda}	=> {other vegetables}	0.005083884	0.4098361	0.012404677
## [1021]	{domestic eggs,				
##	other vegetables}	=> {soda}	0.005083884	0.2283105	0.022267412
## [1022]	{other vegetables,				
##	soda}	=> {domestic eggs}	0.005083884	0.1552795	0.032740214
## [1023]	{domestic eggs,				
##	soda}	=> {whole milk}	0.005185562	0.4180328	0.012404677
## [1024]	{soda,				
##	whole milk}	=> {domestic eggs}	0.005185562	0.1294416	0.040061007
## [1025]	{domestic eggs,				
##	yogurt}	=> {other vegetables}	0.005795628	0.4042553	0.014336553
## [1026]	{domestic eggs,				
##	other vegetables}	=> {yogurt}	0.005795628	0.2602740	0.022267412
## [1027]	{other vegetables,				
##	yogurt}	=> {domestic eggs}	0.005795628	0.1334895	0.043416370
## [1028]	{domestic eggs,				
##	yogurt}	=> {whole milk}	0.007727504	0.5390071	0.014336553
## [1029]	{domestic eggs,				
##	whole milk}	=> {yogurt}	0.007727504	0.2576271	0.029994916
## [1030]	{whole milk,				
##	yogurt}	=> {domestic eggs}	0.007727504	0.1379310	0.056024403
## [1031]	{domestic eggs,				
##	rolls/buns}	=> {other vegetables}	0.005897306	0.3766234	0.015658363
## [1032]	{domestic eggs,				
##	other vegetables}	=> {rolls/buns}	0.005897306	0.2648402	0.022267412
## [1033]	{other vegetables,				
##	rolls/buns}	=> {domestic eggs}	0.005897306	0.1384248	0.042602949
## [1034]	{domestic eggs,				

##	rolls/buns}	=> {whole milk}	0.006609049	0.4220779	0.015658363
## [1035]	{domestic eggs,				
##	whole milk}	=> {rolls/buns}	0.006609049	0.2203390	0.029994916
## [1036]	{rolls/buns,				
##	whole milk}	=> {domestic eggs}	0.006609049	0.1166966	0.056634469
## [1037]	{domestic eggs,				
##	other vegetables}	=> {whole milk}	0.012302999	0.5525114	0.022267412
## [1038]	{domestic eggs,				
##	whole milk}	=> {other vegetables}	0.012302999	0.4101695	0.029994916
## [1039]	{other vegetables,				
##	whole milk}	=> {domestic eggs}	0.012302999	0.1644022	0.074834774
## [1040]	{bottled water,				
##	fruit/vegetable juice}	=> {soda}	0.005185562	0.3642857	0.014234875
## [1041]	{fruit/vegetable juice,				
##	soda}	=> {bottled water}	0.005185562	0.2817680	0.018403660
## [1042]	{bottled water,				
##	soda}	=> {fruit/vegetable juice}	0.005185562	0.1789474	0.028978139
## [1043]	{bottled water,				
##	fruit/vegetable juice}	=> {whole milk}	0.005795628	0.4071429	0.014234875
## [1044]	{fruit/vegetable juice,				
##	whole milk}	=> {bottled water}	0.005795628	0.2175573	0.026639553
## [1045]	{bottled water,				
##	whole milk}	=> {fruit/vegetable juice}	0.005795628	0.1686391	0.034367056
## [1046]	{fruit/vegetable juice,				
##	tropical fruit}	=> {other vegetables}	0.006609049	0.4814815	0.013726487
## [1047]	{fruit/vegetable juice,				
##	other vegetables}	=> {tropical fruit}	0.006609049	0.3140097	0.021047280
## [1048]	{other vegetables,				
##	tropical fruit}	=> {fruit/vegetable juice}	0.006609049	0.1841360	0.035892222
## [1049]	{fruit/vegetable juice,				
##	tropical fruit}	=> {whole milk}	0.005998983	0.4370370	0.013726487
## [1050]	{fruit/vegetable juice,				
##	whole milk}	=> {tropical fruit}	0.005998983	0.2251908	0.026639553
## [1051]	{tropical fruit,				
##	whole milk}	=> {fruit/vegetable juice}	0.005998983	0.1418269	0.042297916
## [1052]	{fruit/vegetable juice,				
##	root vegetables}	=> {other vegetables}	0.006609049	0.5508475	0.011997966
## [1053]	{fruit/vegetable juice,				
##	other vegetables}	=> {root vegetables}	0.006609049	0.3140097	0.021047280
## [1054]	{other vegetables,				
##	root vegetables}	=> {fruit/vegetable juice}	0.006609049	0.1394850	0.047381800
## [1055]	{fruit/vegetable juice,				
##	root vegetables}	=> {whole milk}	0.006507372	0.5423729	0.011997966
## [1056]	{fruit/vegetable juice,				
##	whole milk}	=> {root vegetables}	0.006507372	0.2442748	0.026639553
## [1057]	{root vegetables,				
##	whole milk}	=> {fruit/vegetable juice}	0.006507372	0.1330561	0.048906965
## [1058]	{fruit/vegetable juice,				
##	soda}	=> {yogurt}	0.005083884	0.2762431	0.018403660
## [1059]	{fruit/vegetable juice,				
##	yogurt}	=> {soda}	0.005083884	0.2717391	0.018708693
## [1060]	{soda,				
##	yogurt}	=> {fruit/vegetable juice}	0.005083884	0.1858736	0.027351296
## [1061]	{fruit/vegetable juice,				

##	soda}	=> {whole milk}	0.006100661	0.3314917	0.018403660
## [1062]	{fruit/vegetable juice,				
##	whole milk}	=> {soda}	0.006100661	0.2290076	0.026639553
## [1063]	{soda,				
##	whole milk}	=> {fruit/vegetable juice}	0.006100661	0.1522843	0.040061007
## [1064]	{fruit/vegetable juice,				
##	yogurt}	=> {other vegetables}	0.008235892	0.4402174	0.018708693
## [1065]	{fruit/vegetable juice,				
##	other vegetables}	=> {yogurt}	0.008235892	0.3913043	0.021047280
## [1066]	{other vegetables,				
##	yogurt}	=> {fruit/vegetable juice}	0.008235892	0.1896956	0.043416370
## [1067]	{fruit/vegetable juice,				
##	yogurt}	=> {whole milk}	0.009456024	0.5054348	0.018708693
## [1068]	{fruit/vegetable juice,				
##	whole milk}	=> {yogurt}	0.009456024	0.3549618	0.026639553
## [1069]	{whole milk,				
##	yogurt}	=> {fruit/vegetable juice}	0.009456024	0.1687840	0.056024403
## [1070]	{fruit/vegetable juice,				
##	rolls/buns}	=> {whole milk}	0.005592272	0.3846154	0.014539908
## [1071]	{fruit/vegetable juice,				
##	whole milk}	=> {rolls/buns}	0.005592272	0.2099237	0.026639553
## [1072]	{fruit/vegetable juice,				
##	other vegetables}	=> {whole milk}	0.010472801	0.4975845	0.021047280
## [1073]	{fruit/vegetable juice,				
##	whole milk}	=> {other vegetables}	0.010472801	0.3931298	0.026639553
## [1074]	{other vegetables,				
##	whole milk}	=> {fruit/vegetable juice}	0.010472801	0.1399457	0.074834774
## [1075]	{pip fruit,				
##	whipped/sour cream}	=> {other vegetables}	0.005592272	0.6043956	0.009252669
## [1076]	{other vegetables,				
##	whipped/sour cream}	=> {pip fruit}	0.005592272	0.1936620	0.028876462
## [1077]	{other vegetables,				
##	pip fruit}	=> {whipped/sour cream}	0.005592272	0.2140078	0.026131164
## [1078]	{pip fruit,				
##	whipped/sour cream}	=> {whole milk}	0.005998983	0.6483516	0.009252669
## [1079]	{whipped/sour cream,				
##	whole milk}	=> {pip fruit}	0.005998983	0.1861199	0.032231825
## [1080]	{pip fruit,				
##	whole milk}	=> {whipped/sour cream}	0.005998983	0.1993243	0.030096594
## [1081]	{citrus fruit,				
##	whipped/sour cream}	=> {other vegetables}	0.005693950	0.5233645	0.010879512
## [1082]	{other vegetables,				
##	whipped/sour cream}	=> {citrus fruit}	0.005693950	0.1971831	0.028876462
## [1083]	{citrus fruit,				
##	other vegetables}	=> {whipped/sour cream}	0.005693950	0.1971831	0.028876462
## [1084]	{citrus fruit,				
##	whipped/sour cream}	=> {whole milk}	0.006304016	0.5794393	0.010879512
## [1085]	{whipped/sour cream,				
##	whole milk}	=> {citrus fruit}	0.006304016	0.1955836	0.032231825
## [1086]	{citrus fruit,				
##	whole milk}	=> {whipped/sour cream}	0.006304016	0.2066667	0.030503305
## [1087]	{sausage,				
##	whipped/sour cream}	=> {whole milk}	0.005083884	0.5617978	0.009049314
## [1088]	{whipped/sour cream,				

##	whole milk}	=> {sausage}	0.005083884	0.1577287	0.032231825
## [1089]	{sausage,				
##	whole milk}	=> {whipped/sour cream}	0.005083884	0.1700680	0.029893238
## [1090]	{tropical fruit,				
##	whipped/sour cream}	=> {yogurt}	0.006202339	0.4485294	0.013828165
## [1091]	{whipped/sour cream,				
##	yogurt}	=> {tropical fruit}	0.006202339	0.2990196	0.020742247
## [1092]	{tropical fruit,				
##	yogurt}	=> {whipped/sour cream}	0.006202339	0.2118056	0.029283172
## [1093]	{tropical fruit,				
##	whipped/sour cream}	=> {other vegetables}	0.007829181	0.5661765	0.013828165
## [1094]	{other vegetables,				
##	whipped/sour cream}	=> {tropical fruit}	0.007829181	0.2711268	0.028876462
## [1095]	{other vegetables,				
##	tropical fruit}	=> {whipped/sour cream}	0.007829181	0.2181303	0.035892222
## [1096]	{tropical fruit,				
##	whipped/sour cream}	=> {whole milk}	0.007930859	0.5735294	0.013828165
## [1097]	{whipped/sour cream,				
##	whole milk}	=> {tropical fruit}	0.007930859	0.2460568	0.032231825
## [1098]	{tropical fruit,				
##	whole milk}	=> {whipped/sour cream}	0.007930859	0.1875000	0.042297916
## [1099]	{root vegetables,				
##	whipped/sour cream}	=> {yogurt}	0.006405694	0.3750000	0.017081851
## [1100]	{whipped/sour cream,				
##	yogurt}	=> {root vegetables}	0.006405694	0.3088235	0.020742247
## [1101]	{root vegetables,				
##	yogurt}	=> {whipped/sour cream}	0.006405694	0.2480315	0.025826131
## [1102]	{root vegetables,				
##	whipped/sour cream}	=> {other vegetables}	0.008540925	0.5000000	0.017081851
## [1103]	{other vegetables,				
##	whipped/sour cream}	=> {root vegetables}	0.008540925	0.2957746	0.028876462
## [1104]	{other vegetables,				
##	root vegetables}	=> {whipped/sour cream}	0.008540925	0.1802575	0.047381800
## [1105]	{root vegetables,				
##	whipped/sour cream}	=> {whole milk}	0.009456024	0.5535714	0.017081851
## [1106]	{whipped/sour cream,				
##	whole milk}	=> {root vegetables}	0.009456024	0.2933754	0.032231825
## [1107]	{root vegetables,				
##	whole milk}	=> {whipped/sour cream}	0.009456024	0.1933472	0.048906965
## [1108]	{soda,				
##	whipped/sour cream}	=> {whole milk}	0.005490595	0.4736842	0.011591256
## [1109]	{soda,				
##	whole milk}	=> {whipped/sour cream}	0.005490595	0.1370558	0.040061007
## [1110]	{whipped/sour cream,				
##	yogurt}	=> {other vegetables}	0.010167768	0.4901961	0.020742247
## [1111]	{other vegetables,				
##	whipped/sour cream}	=> {yogurt}	0.010167768	0.3521127	0.028876462
## [1112]	{other vegetables,				
##	yogurt}	=> {whipped/sour cream}	0.010167768	0.2341920	0.043416370
## [1113]	{whipped/sour cream,				
##	yogurt}	=> {whole milk}	0.010879512	0.5245098	0.020742247
## [1114]	{whipped/sour cream,				
##	whole milk}	=> {yogurt}	0.010879512	0.3375394	0.032231825
## [1115]	{whole milk,				

##	yogurt}	=> {whipped/sour cream}	0.010879512	0.1941924	0.056024403
## [1116]	{rolls/buns,				
##	whipped/sour cream}	=> {other vegetables}	0.006710727	0.4583333	0.014641586
## [1117]	{other vegetables,				
##	whipped/sour cream}	=> {rolls/buns}	0.006710727	0.2323944	0.028876462
## [1118]	{other vegetables,				
##	rolls/buns}	=> {whipped/sour cream}	0.006710727	0.1575179	0.042602949
## [1119]	{rolls/buns,				
##	whipped/sour cream}	=> {whole milk}	0.007829181	0.5347222	0.014641586
## [1120]	{whipped/sour cream,				
##	whole milk}	=> {rolls/buns}	0.007829181	0.2429022	0.032231825
## [1121]	{rolls/buns,				
##	whole milk}	=> {whipped/sour cream}	0.007829181	0.1382406	0.056634469
## [1122]	{other vegetables,				
##	whipped/sour cream}	=> {whole milk}	0.014641586	0.5070423	0.028876462
## [1123]	{whipped/sour cream,				
##	whole milk}	=> {other vegetables}	0.014641586	0.4542587	0.032231825
## [1124]	{other vegetables,				
##	whole milk}	=> {whipped/sour cream}	0.014641586	0.1956522	0.074834774
## [1125]	{pastry,				
##	pip fruit}	=> {whole milk}	0.005083884	0.4761905	0.010676157
## [1126]	{pip fruit,				
##	whole milk}	=> {pastry}	0.005083884	0.1689189	0.030096594
## [1127]	{pastry,				
##	whole milk}	=> {pip fruit}	0.005083884	0.1529052	0.033248602
## [1128]	{citrus fruit,				
##	pip fruit}	=> {tropical fruit}	0.005592272	0.4044118	0.013828165
## [1129]	{pip fruit,				
##	tropical fruit}	=> {citrus fruit}	0.005592272	0.2736318	0.020437214
## [1130]	{citrus fruit,				
##	tropical fruit}	=> {pip fruit}	0.005592272	0.2806122	0.019928826
## [1131]	{citrus fruit,				
##	pip fruit}	=> {other vegetables}	0.005897306	0.4264706	0.013828165
## [1132]	{other vegetables,				
##	pip fruit}	=> {citrus fruit}	0.005897306	0.2256809	0.026131164
## [1133]	{citrus fruit,				
##	other vegetables}	=> {pip fruit}	0.005897306	0.2042254	0.028876462
## [1134]	{citrus fruit,				
##	pip fruit}	=> {whole milk}	0.005185562	0.3750000	0.013828165
## [1135]	{pip fruit,				
##	whole milk}	=> {citrus fruit}	0.005185562	0.1722973	0.030096594
## [1136]	{citrus fruit,				
##	whole milk}	=> {pip fruit}	0.005185562	0.1700000	0.030503305
## [1137]	{pip fruit,				
##	sausage}	=> {whole milk}	0.005592272	0.5188679	0.010777834
## [1138]	{pip fruit,				
##	whole milk}	=> {sausage}	0.005592272	0.1858108	0.030096594
## [1139]	{sausage,				
##	whole milk}	=> {pip fruit}	0.005592272	0.1870748	0.029893238
## [1140]	{pip fruit,				
##	tropical fruit}	=> {root vegetables}	0.005287239	0.2587065	0.020437214
## [1141]	{pip fruit,				
##	root vegetables}	=> {tropical fruit}	0.005287239	0.3398693	0.015556685
## [1142]	{root vegetables,				

##	tropical fruit}	=> {pip fruit}	0.005287239	0.2512077	0.021047280
## [1143]	{pip fruit,				
##	tropical fruit}	=> {yogurt}	0.006405694	0.3134328	0.020437214
## [1144]	{pip fruit,				
##	yogurt}	=> {tropical fruit}	0.006405694	0.3559322	0.017996950
## [1145]	{tropical fruit,				
##	yogurt}	=> {pip fruit}	0.006405694	0.2187500	0.029283172
## [1146]	{pip fruit,				
##	tropical fruit}	=> {other vegetables}	0.009456024	0.4626866	0.020437214
## [1147]	{other vegetables,				
##	pip fruit}	=> {tropical fruit}	0.009456024	0.3618677	0.026131164
## [1148]	{other vegetables,				
##	tropical fruit}	=> {pip fruit}	0.009456024	0.2634561	0.035892222
## [1149]	{pip fruit,				
##	tropical fruit}	=> {whole milk}	0.008439248	0.4129353	0.020437214
## [1150]	{pip fruit,				
##	whole milk}	=> {tropical fruit}	0.008439248	0.2804054	0.030096594
## [1151]	{tropical fruit,				
##	whole milk}	=> {pip fruit}	0.008439248	0.1995192	0.042297916
## [1152]	{pip fruit,				
##	root vegetables}	=> {yogurt}	0.005287239	0.3398693	0.015556685
## [1153]	{pip fruit,				
##	yogurt}	=> {root vegetables}	0.005287239	0.2937853	0.017996950
## [1154]	{root vegetables,				
##	yogurt}	=> {pip fruit}	0.005287239	0.2047244	0.025826131
## [1155]	{pip fruit,				
##	root vegetables}	=> {other vegetables}	0.008134215	0.5228758	0.015556685
## [1156]	{other vegetables,				
##	pip fruit}	=> {root vegetables}	0.008134215	0.3112840	0.026131164
## [1157]	{other vegetables,				
##	root vegetables}	=> {pip fruit}	0.008134215	0.1716738	0.047381800
## [1158]	{pip fruit,				
##	root vegetables}	=> {whole milk}	0.008947636	0.5751634	0.015556685
## [1159]	{pip fruit,				
##	whole milk}	=> {root vegetables}	0.008947636	0.2972973	0.030096594
## [1160]	{root vegetables,				
##	whole milk}	=> {pip fruit}	0.008947636	0.1829522	0.048906965
## [1161]	{pip fruit,				
##	yogurt}	=> {other vegetables}	0.008134215	0.4519774	0.017996950
## [1162]	{other vegetables,				
##	pip fruit}	=> {yogurt}	0.008134215	0.3112840	0.026131164
## [1163]	{other vegetables,				
##	yogurt}	=> {pip fruit}	0.008134215	0.1873536	0.043416370
## [1164]	{pip fruit,				
##	yogurt}	=> {whole milk}	0.009557702	0.5310734	0.017996950
## [1165]	{pip fruit,				
##	whole milk}	=> {yogurt}	0.009557702	0.3175676	0.030096594
## [1166]	{whole milk,				
##	yogurt}	=> {pip fruit}	0.009557702	0.1705989	0.056024403
## [1167]	{pip fruit,				
##	rolls/buns}	=> {other vegetables}	0.005083884	0.3649635	0.013929842
## [1168]	{other vegetables,				
##	pip fruit}	=> {rolls/buns}	0.005083884	0.1945525	0.026131164
## [1169]	{other vegetables,				

##	rolls/buns}	=> {pip fruit}	0.005083884	0.1193317	0.042602949
## [1170]	{pip fruit,				
##	rolls/buns}	=> {whole milk}	0.006202339	0.4452555	0.013929842
## [1171]	{pip fruit,				
##	whole milk}	=> {rolls/buns}	0.006202339	0.2060811	0.030096594
## [1172]	{rolls/buns,				
##	whole milk}	=> {pip fruit}	0.006202339	0.1095153	0.056634469
## [1173]	{other vegetables,				
##	pip fruit}	=> {whole milk}	0.013523132	0.5175097	0.026131164
## [1174]	{pip fruit,				
##	whole milk}	=> {other vegetables}	0.013523132	0.4493243	0.030096594
## [1175]	{other vegetables,				
##	whole milk}	=> {pip fruit}	0.013523132	0.1807065	0.074834774
## [1176]	{pastry,				
##	sausage}	=> {whole milk}	0.005693950	0.4552846	0.012506355
## [1177]	{pastry,				
##	whole milk}	=> {sausage}	0.005693950	0.1712538	0.033248602
## [1178]	{sausage,				
##	whole milk}	=> {pastry}	0.005693950	0.1904762	0.029893238
## [1179]	{pastry,				
##	tropical fruit}	=> {other vegetables}	0.005083884	0.3846154	0.013218099
## [1180]	{other vegetables,				
##	pastry}	=> {tropical fruit}	0.005083884	0.2252252	0.022572445
## [1181]	{other vegetables,				
##	tropical fruit}	=> {pastry}	0.005083884	0.1416431	0.035892222
## [1182]	{pastry,				
##	tropical fruit}	=> {whole milk}	0.006710727	0.5076923	0.013218099
## [1183]	{pastry,				
##	whole milk}	=> {tropical fruit}	0.006710727	0.2018349	0.033248602
## [1184]	{tropical fruit,				
##	whole milk}	=> {pastry}	0.006710727	0.1586538	0.042297916
## [1185]	{pastry,				
##	root vegetables}	=> {other vegetables}	0.005897306	0.5370370	0.010981190
## [1186]	{other vegetables,				
##	pastry}	=> {root vegetables}	0.005897306	0.2612613	0.022572445
## [1187]	{other vegetables,				
##	root vegetables}	=> {pastry}	0.005897306	0.1244635	0.047381800
## [1188]	{pastry,				
##	root vegetables}	=> {whole milk}	0.005693950	0.5185185	0.010981190
## [1189]	{pastry,				
##	whole milk}	=> {root vegetables}	0.005693950	0.1712538	0.033248602
## [1190]	{root vegetables,				
##	whole milk}	=> {pastry}	0.005693950	0.1164241	0.048906965
## [1191]	{pastry,				
##	soda}	=> {rolls/buns}	0.005388917	0.2560386	0.021047280
## [1192]	{pastry,				
##	rolls/buns}	=> {soda}	0.005388917	0.2572816	0.020945602
## [1193]	{rolls/buns,				
##	soda}	=> {pastry}	0.005388917	0.1405836	0.038332486
## [1194]	{pastry,				
##	soda}	=> {other vegetables}	0.005490595	0.2608696	0.021047280
## [1195]	{other vegetables,				
##	pastry}	=> {soda}	0.005490595	0.2432432	0.022572445
## [1196]	{other vegetables,				

##	soda}	=> {pastry}	0.005490595	0.1677019	0.032740214
## [1197]	{pastry,				
##	soda}	=> {whole milk}	0.008235892	0.3913043	0.021047280
## [1198]	{pastry,				
##	whole milk}	=> {soda}	0.008235892	0.2477064	0.033248602
## [1199]	{soda,				
##	whole milk}	=> {pastry}	0.008235892	0.2055838	0.040061007
## [1200]	{pastry,				
##	yogurt}	=> {rolls/buns}	0.005795628	0.3275862	0.017691917
## [1201]	{pastry,				
##	rolls/buns}	=> {yogurt}	0.005795628	0.2766990	0.020945602
## [1202]	{rolls/buns,				
##	yogurt}	=> {pastry}	0.005795628	0.1686391	0.034367056
## [1203]	{pastry,				
##	yogurt}	=> {other vegetables}	0.006609049	0.3735632	0.017691917
## [1204]	{other vegetables,				
##	pastry}	=> {yogurt}	0.006609049	0.2927928	0.022572445
## [1205]	{other vegetables,				
##	yogurt}	=> {pastry}	0.006609049	0.1522248	0.043416370
## [1206]	{pastry,				
##	yogurt}	=> {whole milk}	0.009150991	0.5172414	0.017691917
## [1207]	{pastry,				
##	whole milk}	=> {yogurt}	0.009150991	0.2752294	0.033248602
## [1208]	{whole milk,				
##	yogurt}	=> {pastry}	0.009150991	0.1633394	0.056024403
## [1209]	{pastry,				
##	rolls/buns}	=> {other vegetables}	0.006100661	0.2912621	0.020945602
## [1210]	{other vegetables,				
##	pastry}	=> {rolls/buns}	0.006100661	0.2702703	0.022572445
## [1211]	{other vegetables,				
##	rolls/buns}	=> {pastry}	0.006100661	0.1431981	0.042602949
## [1212]	{pastry,				
##	rolls/buns}	=> {whole milk}	0.008540925	0.4077670	0.020945602
## [1213]	{pastry,				
##	whole milk}	=> {rolls/buns}	0.008540925	0.2568807	0.033248602
## [1214]	{rolls/buns,				
##	whole milk}	=> {pastry}	0.008540925	0.1508079	0.056634469
## [1215]	{other vegetables,				
##	pastry}	=> {whole milk}	0.010574479	0.4684685	0.022572445
## [1216]	{pastry,				
##	whole milk}	=> {other vegetables}	0.010574479	0.3180428	0.033248602
## [1217]	{other vegetables,				
##	whole milk}	=> {pastry}	0.010574479	0.1413043	0.074834774
## [1218]	{bottled water,				
##	citrus fruit}	=> {other vegetables}	0.005083884	0.3759398	0.013523132
## [1219]	{citrus fruit,				
##	other vegetables}	=> {bottled water}	0.005083884	0.1760563	0.028876462
## [1220]	{bottled water,				
##	other vegetables}	=> {citrus fruit}	0.005083884	0.2049180	0.024809354
## [1221]	{bottled water,				
##	citrus fruit}	=> {whole milk}	0.005897306	0.4360902	0.013523132
## [1222]	{citrus fruit,				
##	whole milk}	=> {bottled water}	0.005897306	0.1933333	0.030503305
## [1223]	{bottled water,				

##	whole milk}	=> {citrus fruit}	0.005897306	0.1715976	0.034367056
## [1224]	{citrus fruit,				
##	tropical fruit}	=> {root vegetables}	0.005693950	0.2857143	0.019928826
## [1225]	{citrus fruit,				
##	root vegetables}	=> {tropical fruit}	0.005693950	0.3218391	0.017691917
## [1226]	{root vegetables,				
##	tropical fruit}	=> {citrus fruit}	0.005693950	0.2705314	0.021047280
## [1227]	{citrus fruit,				
##	tropical fruit}	=> {yogurt}	0.006304016	0.3163265	0.019928826
## [1228]	{citrus fruit,				
##	yogurt}	=> {tropical fruit}	0.006304016	0.2910798	0.021657346
## [1229]	{tropical fruit,				
##	yogurt}	=> {citrus fruit}	0.006304016	0.2152778	0.029283172
## [1230]	{citrus fruit,				
##	tropical fruit}	=> {other vegetables}	0.009049314	0.4540816	0.019928826
## [1231]	{citrus fruit,				
##	other vegetables}	=> {tropical fruit}	0.009049314	0.3133803	0.028876462
## [1232]	{other vegetables,				
##	tropical fruit}	=> {citrus fruit}	0.009049314	0.2521246	0.035892222
## [1233]	{citrus fruit,				
##	tropical fruit}	=> {whole milk}	0.009049314	0.4540816	0.019928826
## [1234]	{citrus fruit,				
##	whole milk}	=> {tropical fruit}	0.009049314	0.2966667	0.030503305
## [1235]	{tropical fruit,				
##	whole milk}	=> {citrus fruit}	0.009049314	0.2139423	0.042297916
## [1236]	{citrus fruit,				
##	root vegetables}	=> {other vegetables}	0.010371124	0.5862069	0.017691917
## [1237]	{citrus fruit,				
##	other vegetables}	=> {root vegetables}	0.010371124	0.3591549	0.028876462
## [1238]	{other vegetables,				
##	root vegetables}	=> {citrus fruit}	0.010371124	0.2188841	0.047381800
## [1239]	{citrus fruit,				
##	root vegetables}	=> {whole milk}	0.009150991	0.5172414	0.017691917
## [1240]	{citrus fruit,				
##	whole milk}	=> {root vegetables}	0.009150991	0.3000000	0.030503305
## [1241]	{root vegetables,				
##	whole milk}	=> {citrus fruit}	0.009150991	0.1871102	0.048906965
## [1242]	{citrus fruit,				
##	yogurt}	=> {rolls/buns}	0.005795628	0.2676056	0.021657346
## [1243]	{citrus fruit,				
##	rolls/buns}	=> {yogurt}	0.005795628	0.3454545	0.016776817
## [1244]	{rolls/buns,				
##	yogurt}	=> {citrus fruit}	0.005795628	0.1686391	0.034367056
## [1245]	{citrus fruit,				
##	yogurt}	=> {other vegetables}	0.007625826	0.3521127	0.021657346
## [1246]	{citrus fruit,				
##	other vegetables}	=> {yogurt}	0.007625826	0.2640845	0.028876462
## [1247]	{other vegetables,				
##	yogurt}	=> {citrus fruit}	0.007625826	0.1756440	0.043416370
## [1248]	{citrus fruit,				
##	yogurt}	=> {whole milk}	0.010269446	0.4741784	0.021657346
## [1249]	{citrus fruit,				
##	whole milk}	=> {yogurt}	0.010269446	0.3366667	0.030503305
## [1250]	{whole milk,				

##	yogurt}	=> {citrus fruit}	0.010269446	0.1833031	0.056024403
## [1251]	{citrus fruit,				
##	rolls/buns}	=> {other vegetables}	0.005998983	0.3575758	0.016776817
## [1252]	{citrus fruit,				
##	other vegetables}	=> {rolls/buns}	0.005998983	0.2077465	0.028876462
## [1253]	{other vegetables,				
##	rolls/buns}	=> {citrus fruit}	0.005998983	0.1408115	0.042602949
## [1254]	{citrus fruit,				
##	rolls/buns}	=> {whole milk}	0.007219115	0.4303030	0.016776817
## [1255]	{citrus fruit,				
##	whole milk}	=> {rolls/buns}	0.007219115	0.2366667	0.030503305
## [1256]	{rolls/buns,				
##	whole milk}	=> {citrus fruit}	0.007219115	0.1274686	0.056634469
## [1257]	{citrus fruit,				
##	other vegetables}	=> {whole milk}	0.013014743	0.4507042	0.028876462
## [1258]	{citrus fruit,				
##	whole milk}	=> {other vegetables}	0.013014743	0.4266667	0.030503305
## [1259]	{other vegetables,				
##	whole milk}	=> {citrus fruit}	0.013014743	0.1739130	0.074834774
## [1260]	{sausage,				
##	shopping bags}	=> {soda}	0.005693950	0.3636364	0.015658363
## [1261]	{shopping bags,				
##	soda}	=> {sausage}	0.005693950	0.2314050	0.024605999
## [1262]	{sausage,				
##	soda}	=> {shopping bags}	0.005693950	0.2343096	0.024300966
## [1263]	{sausage,				
##	shopping bags}	=> {rolls/buns}	0.005998983	0.3831169	0.015658363
## [1264]	{rolls/buns,				
##	shopping bags}	=> {sausage}	0.005998983	0.3072917	0.019522115
## [1265]	{rolls/buns,				
##	sausage}	=> {shopping bags}	0.005998983	0.1960133	0.030604982
## [1266]	{sausage,				
##	shopping bags}	=> {other vegetables}	0.005388917	0.3441558	0.015658363
## [1267]	{other vegetables,				
##	shopping bags}	=> {sausage}	0.005388917	0.2324561	0.023182511
## [1268]	{other vegetables,				
##	sausage}	=> {shopping bags}	0.005388917	0.2000000	0.026944586
## [1269]	{root vegetables,				
##	shopping bags}	=> {other vegetables}	0.006609049	0.5158730	0.012811388
## [1270]	{other vegetables,				
##	shopping bags}	=> {root vegetables}	0.006609049	0.2850877	0.023182511
## [1271]	{other vegetables,				
##	root vegetables}	=> {shopping bags}	0.006609049	0.1394850	0.047381800
## [1272]	{root vegetables,				
##	shopping bags}	=> {whole milk}	0.005287239	0.4126984	0.012811388
## [1273]	{shopping bags,				
##	whole milk}	=> {root vegetables}	0.005287239	0.2157676	0.024504321
## [1274]	{root vegetables,				
##	whole milk}	=> {shopping bags}	0.005287239	0.1081081	0.048906965
## [1275]	{shopping bags,				
##	soda}	=> {rolls/buns}	0.006304016	0.2561983	0.024605999
## [1276]	{rolls/buns,				
##	shopping bags}	=> {soda}	0.006304016	0.3229167	0.019522115
## [1277]	{rolls/buns,				

##	soda}	=> {shopping bags}	0.006304016	0.1644562	0.038332486
## [1278]	{shopping bags,				
##	soda}	=> {other vegetables}	0.005388917	0.2190083	0.024605999
## [1279]	{other vegetables,				
##	shopping bags}	=> {soda}	0.005388917	0.2324561	0.023182511
## [1280]	{other vegetables,				
##	soda}	=> {shopping bags}	0.005388917	0.1645963	0.032740214
## [1281]	{shopping bags,				
##	soda}	=> {whole milk}	0.006812405	0.2768595	0.024605999
## [1282]	{shopping bags,				
##	whole milk}	=> {soda}	0.006812405	0.2780083	0.024504321
## [1283]	{soda,				
##	whole milk}	=> {shopping bags}	0.006812405	0.1700508	0.040061007
## [1284]	{shopping bags,				
##	yogurt}	=> {other vegetables}	0.005388917	0.3533333	0.015251652
## [1285]	{other vegetables,				
##	shopping bags}	=> {yogurt}	0.005388917	0.2324561	0.023182511
## [1286]	{other vegetables,				
##	yogurt}	=> {shopping bags}	0.005388917	0.1241218	0.043416370
## [1287]	{shopping bags,				
##	yogurt}	=> {whole milk}	0.005287239	0.3466667	0.015251652
## [1288]	{shopping bags,				
##	whole milk}	=> {yogurt}	0.005287239	0.2157676	0.024504321
## [1289]	{rolls/buns,				
##	shopping bags}	=> {other vegetables}	0.005287239	0.2708333	0.019522115
## [1290]	{other vegetables,				
##	shopping bags}	=> {rolls/buns}	0.005287239	0.2280702	0.023182511
## [1291]	{other vegetables,				
##	rolls/buns}	=> {shopping bags}	0.005287239	0.1241050	0.042602949
## [1292]	{rolls/buns,				
##	shopping bags}	=> {whole milk}	0.005287239	0.2708333	0.019522115
## [1293]	{shopping bags,				
##	whole milk}	=> {rolls/buns}	0.005287239	0.2157676	0.024504321
## [1294]	{other vegetables,				
##	shopping bags}	=> {whole milk}	0.007625826	0.3289474	0.023182511
## [1295]	{shopping bags,				
##	whole milk}	=> {other vegetables}	0.007625826	0.3112033	0.024504321
## [1296]	{other vegetables,				
##	whole milk}	=> {shopping bags}	0.007625826	0.1019022	0.074834774
## [1297]	{bottled water,				
##	sausage}	=> {other vegetables}	0.005083884	0.4237288	0.011997966
## [1298]	{other vegetables,				
##	sausage}	=> {bottled water}	0.005083884	0.1886792	0.026944586
## [1299]	{bottled water,				
##	other vegetables}	=> {sausage}	0.005083884	0.2049180	0.024809354
## [1300]	{sausage,				
##	tropical fruit}	=> {other vegetables}	0.005998983	0.4306569	0.013929842
## [1301]	{other vegetables,				
##	sausage}	=> {tropical fruit}	0.005998983	0.2226415	0.026944586
## [1302]	{other vegetables,				
##	tropical fruit}	=> {sausage}	0.005998983	0.1671388	0.035892222
## [1303]	{sausage,				
##	tropical fruit}	=> {whole milk}	0.007219115	0.5182482	0.013929842
## [1304]	{sausage,				

##	whole milk}	=> {tropical fruit}	0.007219115	0.2414966	0.029893238
## [1305]	{tropical fruit,				
##	whole milk}	=> {sausage}	0.007219115	0.1706731	0.042297916
## [1306]	{root vegetables,				
##	sausage}	=> {yogurt}	0.005185562	0.3469388	0.014946619
## [1307]	{sausage,				
##	yogurt}	=> {root vegetables}	0.005185562	0.2642487	0.019623793
## [1308]	{root vegetables,				
##	yogurt}	=> {sausage}	0.005185562	0.2007874	0.025826131
## [1309]	{root vegetables,				
##	sausage}	=> {other vegetables}	0.006812405	0.4557823	0.014946619
## [1310]	{other vegetables,				
##	sausage}	=> {root vegetables}	0.006812405	0.2528302	0.026944586
## [1311]	{other vegetables,				
##	root vegetables}	=> {sausage}	0.006812405	0.1437768	0.047381800
## [1312]	{root vegetables,				
##	sausage}	=> {whole milk}	0.007727504	0.5170068	0.014946619
## [1313]	{sausage,				
##	whole milk}	=> {root vegetables}	0.007727504	0.2585034	0.029893238
## [1314]	{root vegetables,				
##	whole milk}	=> {sausage}	0.007727504	0.1580042	0.048906965
## [1315]	{sausage,				
##	soda}	=> {yogurt}	0.005592272	0.2301255	0.024300966
## [1316]	{sausage,				
##	yogurt}	=> {soda}	0.005592272	0.2849741	0.019623793
## [1317]	{soda,				
##	yogurt}	=> {sausage}	0.005592272	0.2044610	0.027351296
## [1318]	{sausage,				
##	soda}	=> {rolls/buns}	0.009659380	0.3974895	0.024300966
## [1319]	{rolls/buns,				
##	sausage}	=> {soda}	0.009659380	0.3156146	0.030604982
## [1320]	{rolls/buns,				
##	soda}	=> {sausage}	0.009659380	0.2519894	0.038332486
## [1321]	{sausage,				
##	soda}	=> {other vegetables}	0.007219115	0.2970711	0.024300966
## [1322]	{other vegetables,				
##	sausage}	=> {soda}	0.007219115	0.2679245	0.026944586
## [1323]	{other vegetables,				
##	soda}	=> {sausage}	0.007219115	0.2204969	0.032740214
## [1324]	{sausage,				
##	soda}	=> {whole milk}	0.006710727	0.2761506	0.024300966
## [1325]	{sausage,				
##	whole milk}	=> {soda}	0.006710727	0.2244898	0.029893238
## [1326]	{soda,				
##	whole milk}	=> {sausage}	0.006710727	0.1675127	0.040061007
## [1327]	{sausage,				
##	yogurt}	=> {rolls/buns}	0.005998983	0.3056995	0.019623793
## [1328]	{rolls/buns,				
##	sausage}	=> {yogurt}	0.005998983	0.1960133	0.030604982
## [1329]	{rolls/buns,				
##	yogurt}	=> {sausage}	0.005998983	0.1745562	0.034367056
## [1330]	{sausage,				
##	yogurt}	=> {other vegetables}	0.008134215	0.4145078	0.019623793
## [1331]	{other vegetables,				

##	sausage}	=> {yogurt}	0.008134215	0.3018868	0.026944586
## [1332]	{other vegetables,				
##	yogurt}	=> {sausage}	0.008134215	0.1873536	0.043416370
## [1333]	{sausage,				
##	yogurt}	=> {whole milk}	0.008744281	0.4455959	0.019623793
## [1334]	{sausage,				
##	whole milk}	=> {yogurt}	0.008744281	0.2925170	0.029893238
## [1335]	{whole milk,				
##	yogurt}	=> {sausage}	0.008744281	0.1560799	0.056024403
## [1336]	{rolls/buns,				
##	sausage}	=> {other vegetables}	0.008845958	0.2890365	0.030604982
## [1337]	{other vegetables,				
##	sausage}	=> {rolls/buns}	0.008845958	0.3283019	0.026944586
## [1338]	{other vegetables,				
##	rolls/buns}	=> {sausage}	0.008845958	0.2076372	0.042602949
## [1339]	{rolls/buns,				
##	sausage}	=> {whole milk}	0.009354347	0.3056478	0.030604982
## [1340]	{sausage,				
##	whole milk}	=> {rolls/buns}	0.009354347	0.3129252	0.029893238
## [1341]	{rolls/buns,				
##	whole milk}	=> {sausage}	0.009354347	0.1651706	0.056634469
## [1342]	{other vegetables,				
##	sausage}	=> {whole milk}	0.010167768	0.3773585	0.026944586
## [1343]	{sausage,				
##	whole milk}	=> {other vegetables}	0.010167768	0.3401361	0.029893238
## [1344]	{other vegetables,				
##	whole milk}	=> {sausage}	0.010167768	0.1358696	0.074834774
## [1345]	{bottled water,				
##	tropical fruit}	=> {soda}	0.005185562	0.2802198	0.018505338
## [1346]	{bottled water,				
##	soda}	=> {tropical fruit}	0.005185562	0.1789474	0.028978139
## [1347]	{soda,				
##	tropical fruit}	=> {bottled water}	0.005185562	0.2487805	0.020843925
## [1348]	{bottled water,				
##	tropical fruit}	=> {yogurt}	0.007117438	0.3846154	0.018505338
## [1349]	{bottled water,				
##	yogurt}	=> {tropical fruit}	0.007117438	0.3097345	0.022979156
## [1350]	{tropical fruit,				
##	yogurt}	=> {bottled water}	0.007117438	0.2430556	0.029283172
## [1351]	{bottled water,				
##	tropical fruit}	=> {rolls/buns}	0.005388917	0.2912088	0.018505338
## [1352]	{bottled water,				
##	rolls/buns}	=> {tropical fruit}	0.005388917	0.2226891	0.024199288
## [1353]	{rolls/buns,				
##	tropical fruit}	=> {bottled water}	0.005388917	0.2190083	0.024605999
## [1354]	{bottled water,				
##	tropical fruit}	=> {other vegetables}	0.006202339	0.3351648	0.018505338
## [1355]	{bottled water,				
##	other vegetables}	=> {tropical fruit}	0.006202339	0.2500000	0.024809354
## [1356]	{other vegetables,				
##	tropical fruit}	=> {bottled water}	0.006202339	0.1728045	0.035892222
## [1357]	{bottled water,				
##	tropical fruit}	=> {whole milk}	0.008032537	0.4340659	0.018505338
## [1358]	{bottled water,				

##	whole milk}	=> {tropical fruit}	0.008032537	0.2337278	0.034367056
## [1359]	{tropical fruit,				
##	whole milk}	=> {bottled water}	0.008032537	0.1899038	0.042297916
## [1360]	{bottled water,				
##	root vegetables}	=> {other vegetables}	0.007015760	0.4480519	0.015658363
## [1361]	{bottled water,				
##	other vegetables}	=> {root vegetables}	0.007015760	0.2827869	0.024809354
## [1362]	{other vegetables,				
##	root vegetables}	=> {bottled water}	0.007015760	0.1480687	0.047381800
## [1363]	{bottled water,				
##	root vegetables}	=> {whole milk}	0.007320793	0.4675325	0.015658363
## [1364]	{bottled water,				
##	whole milk}	=> {root vegetables}	0.007320793	0.2130178	0.034367056
## [1365]	{root vegetables,				
##	whole milk}	=> {bottled water}	0.007320793	0.1496881	0.048906965
## [1366]	{bottled water,				
##	soda}	=> {yogurt}	0.007422471	0.2561404	0.028978139
## [1367]	{bottled water,				
##	yogurt}	=> {soda}	0.007422471	0.3230088	0.022979156
## [1368]	{soda,				
##	yogurt}	=> {bottled water}	0.007422471	0.2713755	0.027351296
## [1369]	{bottled water,				
##	soda}	=> {rolls/buns}	0.006812405	0.2350877	0.028978139
## [1370]	{bottled water,				
##	rolls/buns}	=> {soda}	0.006812405	0.2815126	0.024199288
## [1371]	{rolls/buns,				
##	soda}	=> {bottled water}	0.006812405	0.1777188	0.038332486
## [1372]	{bottled water,				
##	soda}	=> {other vegetables}	0.005693950	0.1964912	0.028978139
## [1373]	{bottled water,				
##	other vegetables}	=> {soda}	0.005693950	0.2295082	0.024809354
## [1374]	{other vegetables,				
##	soda}	=> {bottled water}	0.005693950	0.1739130	0.032740214
## [1375]	{bottled water,				
##	soda}	=> {whole milk}	0.007524148	0.2596491	0.028978139
## [1376]	{bottled water,				
##	whole milk}	=> {soda}	0.007524148	0.2189349	0.034367056
## [1377]	{soda,				
##	whole milk}	=> {bottled water}	0.007524148	0.1878173	0.040061007
## [1378]	{bottled water,				
##	yogurt}	=> {rolls/buns}	0.007117438	0.3097345	0.022979156
## [1379]	{bottled water,				
##	rolls/buns}	=> {yogurt}	0.007117438	0.2941176	0.024199288
## [1380]	{rolls/buns,				
##	yogurt}	=> {bottled water}	0.007117438	0.2071006	0.034367056
## [1381]	{bottled water,				
##	yogurt}	=> {other vegetables}	0.008134215	0.3539823	0.022979156
## [1382]	{bottled water,				
##	other vegetables}	=> {yogurt}	0.008134215	0.3278689	0.024809354
## [1383]	{other vegetables,				
##	yogurt}	=> {bottled water}	0.008134215	0.1873536	0.043416370
## [1384]	{bottled water,				
##	yogurt}	=> {whole milk}	0.009659380	0.4203540	0.022979156
## [1385]	{bottled water,				

##	whole milk}	=> {yogurt}	0.009659380	0.2810651	0.034367056
## [1386]	{whole milk,				
##	yogurt}	=> {bottled water}	0.009659380	0.1724138	0.056024403
## [1387]	{bottled water,				
##	rolls/buns}	=> {other vegetables}	0.007320793	0.3025210	0.024199288
## [1388]	{bottled water,				
##	other vegetables}	=> {rolls/buns}	0.007320793	0.2950820	0.024809354
## [1389]	{other vegetables,				
##	rolls/buns}	=> {bottled water}	0.007320793	0.1718377	0.042602949
## [1390]	{bottled water,				
##	rolls/buns}	=> {whole milk}	0.008744281	0.3613445	0.024199288
## [1391]	{bottled water,				
##	whole milk}	=> {rolls/buns}	0.008744281	0.2544379	0.034367056
## [1392]	{rolls/buns,				
##	whole milk}	=> {bottled water}	0.008744281	0.1543986	0.056634469
## [1393]	{bottled water,				
##	other vegetables}	=> {whole milk}	0.010777834	0.4344262	0.024809354
## [1394]	{bottled water,				
##	whole milk}	=> {other vegetables}	0.010777834	0.3136095	0.034367056
## [1395]	{other vegetables,				
##	whole milk}	=> {bottled water}	0.010777834	0.1440217	0.074834774
## [1396]	{root vegetables,				
##	tropical fruit}	=> {yogurt}	0.008134215	0.3864734	0.021047280
## [1397]	{tropical fruit,				
##	yogurt}	=> {root vegetables}	0.008134215	0.2777778	0.029283172
## [1398]	{root vegetables,				
##	yogurt}	=> {tropical fruit}	0.008134215	0.3149606	0.025826131
## [1399]	{root vegetables,				
##	tropical fruit}	=> {rolls/buns}	0.005897306	0.2801932	0.021047280
## [1400]	{rolls/buns,				
##	tropical fruit}	=> {root vegetables}	0.005897306	0.2396694	0.024605999
## [1401]	{rolls/buns,				
##	root vegetables}	=> {tropical fruit}	0.005897306	0.2426778	0.024300966
## [1402]	{root vegetables,				
##	tropical fruit}	=> {other vegetables}	0.012302999	0.5845411	0.021047280
## [1403]	{other vegetables,				
##	tropical fruit}	=> {root vegetables}	0.012302999	0.3427762	0.035892222
## [1404]	{other vegetables,				
##	root vegetables}	=> {tropical fruit}	0.012302999	0.2596567	0.047381800
## [1405]	{root vegetables,				
##	tropical fruit}	=> {whole milk}	0.011997966	0.5700483	0.021047280
## [1406]	{tropical fruit,				
##	whole milk}	=> {root vegetables}	0.011997966	0.2836538	0.042297916
## [1407]	{root vegetables,				
##	whole milk}	=> {tropical fruit}	0.011997966	0.2453222	0.048906965
## [1408]	{soda,				
##	tropical fruit}	=> {yogurt}	0.006609049	0.3170732	0.020843925
## [1409]	{tropical fruit,				
##	yogurt}	=> {soda}	0.006609049	0.2256944	0.029283172
## [1410]	{soda,				
##	yogurt}	=> {tropical fruit}	0.006609049	0.2416357	0.027351296
## [1411]	{soda,				
##	tropical fruit}	=> {rolls/buns}	0.005388917	0.2585366	0.020843925
## [1412]	{rolls/buns,				

##	tropical fruit}	=> {soda}	0.005388917	0.2190083	0.024605999
## [1413]	{rolls/buns,				
##	soda}	=> {tropical fruit}	0.005388917	0.1405836	0.038332486
## [1414]	{soda,				
##	tropical fruit}	=> {other vegetables}	0.007219115	0.3463415	0.020843925
## [1415]	{other vegetables,				
##	tropical fruit}	=> {soda}	0.007219115	0.2011331	0.035892222
## [1416]	{other vegetables,				
##	soda}	=> {tropical fruit}	0.007219115	0.2204969	0.032740214
## [1417]	{soda,				
##	tropical fruit}	=> {whole milk}	0.007829181	0.3756098	0.020843925
## [1418]	{tropical fruit,				
##	whole milk}	=> {soda}	0.007829181	0.1850962	0.042297916
## [1419]	{soda,				
##	whole milk}	=> {tropical fruit}	0.007829181	0.1954315	0.040061007
## [1420]	{tropical fruit,				
##	yogurt}	=> {rolls/buns}	0.008744281	0.2986111	0.029283172
## [1421]	{rolls/buns,				
##	tropical fruit}	=> {yogurt}	0.008744281	0.3553719	0.024605999
## [1422]	{rolls/buns,				
##	yogurt}	=> {tropical fruit}	0.008744281	0.2544379	0.034367056
## [1423]	{tropical fruit,				
##	yogurt}	=> {other vegetables}	0.012302999	0.4201389	0.029283172
## [1424]	{other vegetables,				
##	tropical fruit}	=> {yogurt}	0.012302999	0.3427762	0.035892222
## [1425]	{other vegetables,				
##	yogurt}	=> {tropical fruit}	0.012302999	0.2833724	0.043416370
## [1426]	{tropical fruit,				
##	yogurt}	=> {whole milk}	0.015149975	0.5173611	0.029283172
## [1427]	{tropical fruit,				
##	whole milk}	=> {yogurt}	0.015149975	0.3581731	0.042297916
## [1428]	{whole milk,				
##	yogurt}	=> {tropical fruit}	0.015149975	0.2704174	0.056024403
## [1429]	{rolls/buns,				
##	tropical fruit}	=> {other vegetables}	0.007829181	0.3181818	0.024605999
## [1430]	{other vegetables,				
##	tropical fruit}	=> {rolls/buns}	0.007829181	0.2181303	0.035892222
## [1431]	{other vegetables,				
##	rolls/buns}	=> {tropical fruit}	0.007829181	0.1837709	0.042602949
## [1432]	{rolls/buns,				
##	tropical fruit}	=> {whole milk}	0.010981190	0.4462810	0.024605999
## [1433]	{tropical fruit,				
##	whole milk}	=> {rolls/buns}	0.010981190	0.2596154	0.042297916
## [1434]	{rolls/buns,				
##	whole milk}	=> {tropical fruit}	0.010981190	0.1938959	0.056634469
## [1435]	{other vegetables,				
##	tropical fruit}	=> {whole milk}	0.017081851	0.4759207	0.035892222
## [1436]	{tropical fruit,				
##	whole milk}	=> {other vegetables}	0.017081851	0.4038462	0.042297916
## [1437]	{other vegetables,				
##	whole milk}	=> {tropical fruit}	0.017081851	0.2282609	0.074834774
## [1438]	{root vegetables,				
##	soda}	=> {other vegetables}	0.008235892	0.4426230	0.018607016
## [1439]	{other vegetables,				

##	soda}	=> {root vegetables}	0.008235892	0.2515528	0.032740214
## [1440]	{root vegetables,				
##	soda}	=> {whole milk}	0.008134215	0.4371585	0.018607016
## [1441]	{soda,				
##	whole milk}	=> {root vegetables}	0.008134215	0.2030457	0.040061007
## [1442]	{root vegetables,				
##	yogurt}	=> {rolls/buns}	0.007219115	0.2795276	0.025826131
## [1443]	{rolls/buns,				
##	root vegetables}	=> {yogurt}	0.007219115	0.2970711	0.024300966
## [1444]	{rolls/buns,				
##	yogurt}	=> {root vegetables}	0.007219115	0.2100592	0.034367056
## [1445]	{root vegetables,				
##	yogurt}	=> {other vegetables}	0.012913066	0.5000000	0.025826131
## [1446]	{other vegetables,				
##	root vegetables}	=> {yogurt}	0.012913066	0.2725322	0.047381800
## [1447]	{other vegetables,				
##	yogurt}	=> {root vegetables}	0.012913066	0.2974239	0.043416370
## [1448]	{root vegetables,				
##	yogurt}	=> {whole milk}	0.014539908	0.5629921	0.025826131
## [1449]	{root vegetables,				
##	whole milk}	=> {yogurt}	0.014539908	0.2972973	0.048906965
## [1450]	{whole milk,				
##	yogurt}	=> {root vegetables}	0.014539908	0.2595281	0.056024403
## [1451]	{rolls/buns,				
##	root vegetables}	=> {other vegetables}	0.012201322	0.5020921	0.024300966
## [1452]	{other vegetables,				
##	root vegetables}	=> {rolls/buns}	0.012201322	0.2575107	0.047381800
## [1453]	{other vegetables,				
##	rolls/buns}	=> {root vegetables}	0.012201322	0.2863962	0.042602949
## [1454]	{rolls/buns,				
##	root vegetables}	=> {whole milk}	0.012709710	0.5230126	0.024300966
## [1455]	{root vegetables,				
##	whole milk}	=> {rolls/buns}	0.012709710	0.2598753	0.048906965
## [1456]	{rolls/buns,				
##	whole milk}	=> {root vegetables}	0.012709710	0.2244165	0.056634469
## [1457]	{other vegetables,				
##	root vegetables}	=> {whole milk}	0.023182511	0.4892704	0.047381800
## [1458]	{root vegetables,				
##	whole milk}	=> {other vegetables}	0.023182511	0.4740125	0.048906965
## [1459]	{other vegetables,				
##	whole milk}	=> {root vegetables}	0.023182511	0.3097826	0.074834774
## [1460]	{soda,				
##	yogurt}	=> {rolls/buns}	0.008642603	0.3159851	0.027351296
## [1461]	{rolls/buns,				
##	soda}	=> {yogurt}	0.008642603	0.2254642	0.038332486
## [1462]	{rolls/buns,				
##	yogurt}	=> {soda}	0.008642603	0.2514793	0.034367056
## [1463]	{soda,				
##	yogurt}	=> {other vegetables}	0.008337570	0.3048327	0.027351296
## [1464]	{other vegetables,				
##	soda}	=> {yogurt}	0.008337570	0.2546584	0.032740214
## [1465]	{other vegetables,				
##	yogurt}	=> {soda}	0.008337570	0.1920375	0.043416370
## [1466]	{soda,				

##	yogurt}	=> {whole milk}	0.010472801	0.3828996	0.027351296
## [1467]	{soda,				
##	whole milk}	=> {yogurt}	0.010472801	0.2614213	0.040061007
## [1468]	{whole milk,				
##	yogurt}	=> {soda}	0.010472801	0.1869328	0.056024403
## [1469]	{rolls/buns,				
##	soda}	=> {other vegetables}	0.009862735	0.2572944	0.038332486
## [1470]	{other vegetables,				
##	soda}	=> {rolls/buns}	0.009862735	0.3012422	0.032740214
## [1471]	{other vegetables,				
##	rolls/buns}	=> {soda}	0.009862735	0.2315036	0.042602949
## [1472]	{soda,				
##	whole milk}	=> {rolls/buns}	0.008845958	0.2208122	0.040061007
## [1473]	{other vegetables,				
##	soda}	=> {whole milk}	0.013929842	0.4254658	0.032740214
## [1474]	{soda,				
##	whole milk}	=> {other vegetables}	0.013929842	0.3477157	0.040061007
## [1475]	{other vegetables,				
##	whole milk}	=> {soda}	0.013929842	0.1861413	0.074834774
## [1476]	{rolls/buns,				
##	yogurt}	=> {other vegetables}	0.011489578	0.3343195	0.034367056
## [1477]	{other vegetables,				
##	yogurt}	=> {rolls/buns}	0.011489578	0.2646370	0.043416370
## [1478]	{other vegetables,				
##	rolls/buns}	=> {yogurt}	0.011489578	0.2696897	0.042602949
## [1479]	{rolls/buns,				
##	yogurt}	=> {whole milk}	0.015556685	0.4526627	0.034367056
## [1480]	{whole milk,				
##	yogurt}	=> {rolls/buns}	0.015556685	0.2776770	0.056024403
## [1481]	{rolls/buns,				
##	whole milk}	=> {yogurt}	0.015556685	0.2746858	0.056634469
## [1482]	{other vegetables,				
##	yogurt}	=> {whole milk}	0.022267412	0.5128806	0.043416370
## [1483]	{whole milk,				
##	yogurt}	=> {other vegetables}	0.022267412	0.3974592	0.056024403
## [1484]	{other vegetables,				
##	whole milk}	=> {yogurt}	0.022267412	0.2975543	0.074834774
## [1485]	{other vegetables,				
##	rolls/buns}	=> {whole milk}	0.017895272	0.4200477	0.042602949
## [1486]	{rolls/buns,				
##	whole milk}	=> {other vegetables}	0.017895272	0.3159785	0.056634469
## [1487]	{other vegetables,				
##	whole milk}	=> {rolls/buns}	0.017895272	0.2391304	0.074834774
## [1488]	{fruit/vegetable juice,				
##	other vegetables,				
##	yogurt}	=> {whole milk}	0.005083884	0.6172840	0.008235892
## [1489]	{fruit/vegetable juice,				
##	whole milk,				
##	yogurt}	=> {other vegetables}	0.005083884	0.5376344	0.009456024
## [1490]	{fruit/vegetable juice,				
##	other vegetables,				
##	whole milk}	=> {yogurt}	0.005083884	0.4854369	0.010472801
## [1491]	{other vegetables,				
##	whole milk,				

##	yogurt}	=> {fruit/vegetable juice}	0.005083884	0.2283105	0.022267412
## [1492]	{other vegetables,				
##	root vegetables,				
##	whipped/sour cream}	=> {whole milk}	0.005185562	0.6071429	0.008540925
## [1493]	{root vegetables,				
##	whipped/sour cream,				
##	whole milk}	=> {other vegetables}	0.005185562	0.5483871	0.009456024
## [1494]	{other vegetables,				
##	whipped/sour cream,				
##	whole milk}	=> {root vegetables}	0.005185562	0.3541667	0.014641586
## [1495]	{other vegetables,				
##	root vegetables,				
##	whole milk}	=> {whipped/sour cream}	0.005185562	0.2236842	0.023182511
## [1496]	{other vegetables,				
##	whipped/sour cream,				
##	yogurt}	=> {whole milk}	0.005592272	0.5500000	0.010167768
## [1497]	{whipped/sour cream,				
##	whole milk,				
##	yogurt}	=> {other vegetables}	0.005592272	0.5140187	0.010879512
## [1498]	{other vegetables,				
##	whipped/sour cream,				
##	whole milk}	=> {yogurt}	0.005592272	0.3819444	0.014641586
## [1499]	{other vegetables,				
##	whole milk,				
##	yogurt}	=> {whipped/sour cream}	0.005592272	0.2511416	0.022267412
## [1500]	{other vegetables,				
##	pip fruit,				
##	root vegetables}	=> {whole milk}	0.005490595	0.6750000	0.008134215
## [1501]	{pip fruit,				
##	root vegetables,				
##	whole milk}	=> {other vegetables}	0.005490595	0.6136364	0.008947636
## [1502]	{other vegetables,				
##	pip fruit,				
##	whole milk}	=> {root vegetables}	0.005490595	0.4060150	0.013523132
## [1503]	{other vegetables,				
##	root vegetables,				
##	whole milk}	=> {pip fruit}	0.005490595	0.2368421	0.023182511
## [1504]	{other vegetables,				
##	pip fruit,				
##	yogurt}	=> {whole milk}	0.005083884	0.6250000	0.008134215
## [1505]	{pip fruit,				
##	whole milk,				
##	yogurt}	=> {other vegetables}	0.005083884	0.5319149	0.009557702
## [1506]	{other vegetables,				
##	pip fruit,				
##	whole milk}	=> {yogurt}	0.005083884	0.3759398	0.013523132
## [1507]	{other vegetables,				
##	whole milk,				
##	yogurt}	=> {pip fruit}	0.005083884	0.2283105	0.022267412
## [1508]	{citrus fruit,				
##	other vegetables,				
##	root vegetables}	=> {whole milk}	0.005795628	0.5588235	0.010371124
## [1509]	{citrus fruit,				
##	root vegetables,				

##	whole milk}	=> {other vegetables}	0.005795628	0.6333333	0.009150991
## [1510]	{citrus fruit,				
##	other vegetables,				
##	whole milk}	=> {root vegetables}	0.005795628	0.4453125	0.013014743
## [1511]	{other vegetables,				
##	root vegetables,				
##	whole milk}	=> {citrus fruit}	0.005795628	0.2500000	0.023182511
## [1512]	{root vegetables,				
##	tropical fruit,				
##	yogurt}	=> {whole milk}	0.005693950	0.7000000	0.008134215
## [1513]	{root vegetables,				
##	tropical fruit,				
##	whole milk}	=> {yogurt}	0.005693950	0.4745763	0.011997966
## [1514]	{tropical fruit,				
##	whole milk,				
##	yogurt}	=> {root vegetables}	0.005693950	0.3758389	0.015149975
## [1515]	{root vegetables,				
##	whole milk,				
##	yogurt}	=> {tropical fruit}	0.005693950	0.3916084	0.014539908
## [1516]	{other vegetables,				
##	root vegetables,				
##	tropical fruit}	=> {whole milk}	0.007015760	0.5702479	0.012302999
## [1517]	{root vegetables,				
##	tropical fruit,				
##	whole milk}	=> {other vegetables}	0.007015760	0.5847458	0.011997966
## [1518]	{other vegetables,				
##	tropical fruit,				
##	whole milk}	=> {root vegetables}	0.007015760	0.4107143	0.017081851
## [1519]	{other vegetables,				
##	root vegetables,				
##	whole milk}	=> {tropical fruit}	0.007015760	0.3026316	0.023182511
## [1520]	{other vegetables,				
##	tropical fruit,				
##	yogurt}	=> {whole milk}	0.007625826	0.6198347	0.012302999
## [1521]	{tropical fruit,				
##	whole milk,				
##	yogurt}	=> {other vegetables}	0.007625826	0.5033557	0.015149975
## [1522]	{other vegetables,				
##	tropical fruit,				
##	whole milk}	=> {yogurt}	0.007625826	0.4464286	0.017081851
## [1523]	{other vegetables,				
##	whole milk,				
##	yogurt}	=> {tropical fruit}	0.007625826	0.3424658	0.022267412
## [1524]	{other vegetables,				
##	root vegetables,				
##	yogurt}	=> {whole milk}	0.007829181	0.6062992	0.012913066
## [1525]	{root vegetables,				
##	whole milk,				
##	yogurt}	=> {other vegetables}	0.007829181	0.5384615	0.014539908
## [1526]	{other vegetables,				
##	root vegetables,				
##	whole milk}	=> {yogurt}	0.007829181	0.3377193	0.023182511
## [1527]	{other vegetables,				
##	whole milk,				

##	yogurt}	=> {root vegetables}	0.007829181	0.3515982	0.022267412
## [1528]	{other vegetables,				
##	rolls/buns,				
##	root vegetables}	=> {whole milk}	0.006202339	0.5083333	0.012201322
## [1529]	{rolls/buns,				
##	root vegetables,				
##	whole milk}	=> {other vegetables}	0.006202339	0.4880000	0.012709710
## [1530]	{other vegetables,				
##	root vegetables,				
##	whole milk}	=> {rolls/buns}	0.006202339	0.2675439	0.023182511
## [1531]	{other vegetables,				
##	rolls/buns,				
##	whole milk}	=> {root vegetables}	0.006202339	0.3465909	0.017895272
## [1532]	{other vegetables,				
##	rolls/buns,				
##	yogurt}	=> {whole milk}	0.005998983	0.5221239	0.011489578
## [1533]	{rolls/buns,				
##	whole milk,				
##	yogurt}	=> {other vegetables}	0.005998983	0.3856209	0.015556685
## [1534]	{other vegetables,				
##	whole milk,				
##	yogurt}	=> {rolls/buns}	0.005998983	0.2694064	0.022267412
## [1535]	{other vegetables,				
##	rolls/buns,				
##	whole milk}	=> {yogurt}	0.005998983	0.3352273	0.017895272

These associations are somewhat random. Above, we captured the most important ones. Let's now graph it.