C:\Users\Anisha\AppData\Local\Programs\Python\Python35\python.exe C:/Users/Anisha/Desktop/Nightjar/apriori\_6.py

Read 9835 transactions successfully..

################### Generating unique items ###################

1. citrus fruit

2. semi-finished bread

3. margarine

4. ready soups

5. tropical fruit

6. yogurt

7. coffee

8. whole milk

9. pip fruit

10. cream cheese

11. meat spreads

12. other vegetables

13. condensed milk

14. long life bakery product

15. butter

16. rice

17. abrasive cleaner

18. rolls/buns

19. UHT-milk

20. bottled beer

21. liquor (appetizer)

22. pot plants

23. cereals

24. white bread

25. bottled water

26. chocolate

27. curd

28. flour

29. dishes

30. beef

31. frankfurter

32. soda

33. chicken

34. sugar

35. fruit/vegetable juice

36. newspapers

37. packaged fruit/vegetables

38. specialty bar

39. butter milk

40. pastry

41. processed cheese

42. detergent

43. root vegetables

44. frozen dessert

45. sweet spreads

46. salty snack

47. waffles

48. candy

49. bathroom cleaner

50. canned beer

51. sausage

52. brown bread

53. shopping bags

54. beverages

55. hamburger meat

56. spices

57. hygiene articles

58. napkins

59. pork

60. berries

61. whipped/sour cream

62. artif. sweetener

63. grapes

64. dessert

65. zwieback

66. domestic eggs

67. spread cheese

68. misc. beverages

69. hard cheese

70. cat food

71. ham

72. turkey

73. baking powder

74. pickled vegetables

75. oil

76. chewing gum

77. chocolate marshmallow

78. ice cream

79. frozen vegetables

80. canned fish

81. seasonal products

82. curd cheese

83. red/blush wine

84. frozen potato products

85. specialty fat

86. specialty chocolate

87. candles

88. flower (seeds)

89. sparkling wine

90. salt

91. frozen meals

92. canned vegetables

93. onions

94. herbs

95. white wine

96. brandy

97. photo/film

98. sliced cheese

99. pasta

100. softener

101. cling film/bags

102. fish

103. male cosmetics

104. canned fruit

105. Instant food products

106. soft cheese

107. honey

108. dental care

109. popcorn

110. cake bar

111. snack products

112. flower soil/fertilizer

113. specialty cheese

114. finished products

115. cocoa drinks

116. dog food

117. prosecco

118. frozen fish

119. make up remover

120. cleaner

121. female sanitary products

122. dish cleaner

123. cookware

124. meat

125. tea

126. mustard

127. house keeping products

128. skin care

129. potato products

130. liquor

131. pet care

132. soups

133. rum

134. salad dressing

135. sauces

136. vinegar

137. soap

138. hair spray

139. instant coffee

140. roll products

141. mayonnaise

142. rubbing alcohol

143. syrup

144. liver loaf

145. baby cosmetics

146. organic products

147. nut snack

148. kitchen towels

149. frozen chicken

150. light bulbs

151. ketchup

152. jam

153. decalcifier

154. nuts/prunes

155. liqueur

156. organic sausage

157. cream

158. toilet cleaner

159. specialty vegetables

160. baby food

161. pudding powder

162. tidbits

163. whisky

164. frozen fruits

165. bags

166. cooking chocolate

167. sound storage medium

168. kitchen utensil

169. preservation products

Enter the minimum support :: 0.02

################### Generating Frequent 1 item-set ###################

1. ['citrus fruit'] | 0.08276563294356888

2. ['margarine'] | 0.05856634468734113

3. ['tropical fruit'] | 0.10493136756481952

4. ['yogurt'] | 0.13950177935943062

5. ['coffee'] | 0.05805795627859685

6. ['whole milk'] | 0.25551601423487547

7. ['pip fruit'] | 0.07564819522114896

8. ['cream cheese '] | 0.03965429588205389

9. ['other vegetables'] | 0.1934926283680732

10. ['long life bakery product'] | 0.037417386883579054

11. ['butter'] | 0.05541433655312659

12. ['rolls/buns'] | 0.18393492628368074

13. ['UHT-milk'] | 0.03345195729537367

14. ['bottled beer'] | 0.08052872394509406

15. ['white bread'] | 0.042094560244026434

16. ['bottled water'] | 0.11052364006100661

17. ['chocolate'] | 0.04961870869344179

18. ['curd'] | 0.05327910523640061

19. ['beef'] | 0.05246568378240976

20. ['frankfurter'] | 0.058973055414336555

21. ['soda'] | 0.17437722419928825

22. ['chicken'] | 0.04290798169801729

23. ['sugar'] | 0.03385866802236909

24. ['fruit/vegetable juice'] | 0.0722928317234367

25. ['newspapers'] | 0.07981698017285206

26. ['specialty bar'] | 0.027351296390442297

27. ['butter milk'] | 0.027961362480935434

28. ['pastry'] | 0.08896797153024912

29. ['root vegetables'] | 0.10899847483477376

30. ['salty snack'] | 0.03782409761057448

31. ['waffles'] | 0.038434163701067614

32. ['candy'] | 0.0298932384341637

33. ['canned beer'] | 0.07768174885612608

34. ['sausage'] | 0.09395017793594305

35. ['brown bread'] | 0.06487036095577021

36. ['shopping bags'] | 0.09852567361464158

37. ['beverages'] | 0.026029486527707167

38. ['hamburger meat'] | 0.033248601931875954

39. ['hygiene articles'] | 0.03294356888662939

40. ['napkins'] | 0.05236400610066091

41. ['pork'] | 0.05765124555160142

42. ['berries'] | 0.033248601931875954

43. ['whipped/sour cream'] | 0.07168276563294357

44. ['grapes'] | 0.022369089984748347

45. ['dessert'] | 0.03711235383833249

46. ['domestic eggs'] | 0.06344687341128623

47. ['misc. beverages'] | 0.02836807320793086

48. ['hard cheese'] | 0.024504321301474327

49. ['cat food'] | 0.023284189120488054

50. ['ham'] | 0.026029486527707167

51. ['oil'] | 0.02806304016268429

52. ['chewing gum'] | 0.021047280122013217

53. ['ice cream'] | 0.025012709710218607

54. ['frozen vegetables'] | 0.04809354346720895

55. ['specialty chocolate'] | 0.03040162684290798

56. ['frozen meals'] | 0.02836807320793086

57. ['onions'] | 0.031011692933401117

58. ['sliced cheese'] | 0.024504321301474327

59. ['meat'] | 0.025826131164209457

################### Generating Frequent 2 item-set ###################

60. ['citrus fruit', 'yogurt'] | 0.021657346212506354

61. ['citrus fruit', 'whole milk'] | 0.030503304524656837

62. ['citrus fruit', 'other vegetables'] | 0.02887646161667514

63. ['margarine', 'whole milk'] | 0.024199288256227757

64. ['tropical fruit', 'yogurt'] | 0.029283172343670564

65. ['tropical fruit', 'whole milk'] | 0.04229791560752415

66. ['tropical fruit', 'pip fruit'] | 0.02043721403152008

67. ['tropical fruit', 'other vegetables'] | 0.035892221657346214

68. ['tropical fruit', 'rolls/buns'] | 0.024605998983223184

69. ['tropical fruit', 'soda'] | 0.020843924758515507

70. ['tropical fruit', 'root vegetables'] | 0.021047280122013217

71. ['yogurt', 'whole milk'] | 0.05602440264361973

72. ['yogurt', 'other vegetables'] | 0.04341637010676157

73. ['yogurt', 'rolls/buns'] | 0.03436705643111337

74. ['yogurt', 'bottled water'] | 0.022979156075241484

75. ['yogurt', 'soda'] | 0.027351296390442297

76. ['yogurt', 'root vegetables'] | 0.025826131164209457

77. ['yogurt', 'whipped/sour cream'] | 0.02074224707676665

78. ['whole milk', 'pip fruit'] | 0.030096593797661414

79. ['whole milk', 'other vegetables'] | 0.07483477376715811

80. ['whole milk', 'butter'] | 0.02755465175394001

81. ['whole milk', 'rolls/buns'] | 0.05663446873411286

82. ['whole milk', 'bottled beer'] | 0.02043721403152008

83. ['whole milk', 'bottled water'] | 0.03436705643111337

84. ['whole milk', 'curd'] | 0.026131164209456024

85. ['whole milk', 'beef'] | 0.02125063548551093

86. ['whole milk', 'frankfurter'] | 0.020538891713268937

87. ['whole milk', 'soda'] | 0.040061006609049314

88. ['whole milk', 'fruit/vegetable juice'] | 0.026639552618200304

89. ['whole milk', 'newspapers'] | 0.027351296390442297

90. ['whole milk', 'pastry'] | 0.033248601931875954

91. ['whole milk', 'root vegetables'] | 0.048906964921199794

92. ['whole milk', 'sausage'] | 0.0298932384341637

93. ['whole milk', 'brown bread'] | 0.02521606507371632

94. ['whole milk', 'shopping bags'] | 0.024504321301474327

95. ['whole milk', 'pork'] | 0.022165734621250637

96. ['whole milk', 'whipped/sour cream'] | 0.032231825114387394

97. ['whole milk', 'domestic eggs'] | 0.029994916115912557

98. ['whole milk', 'frozen vegetables'] | 0.02043721403152008

99. ['pip fruit', 'other vegetables'] | 0.026131164209456024

100. ['other vegetables', 'butter'] | 0.020030503304524657

101. ['other vegetables', 'rolls/buns'] | 0.042602948652770714

102. ['other vegetables', 'bottled water'] | 0.024809354346720894

103. ['other vegetables', 'soda'] | 0.032740213523131674

104. ['other vegetables', 'fruit/vegetable juice'] | 0.021047280122013217

105. ['other vegetables', 'pastry'] | 0.02257244534824606

106. ['other vegetables', 'root vegetables'] | 0.047381799694966954

107. ['other vegetables', 'sausage'] | 0.026944585663446874

108. ['other vegetables', 'shopping bags'] | 0.023182511438739197

109. ['other vegetables', 'pork'] | 0.021657346212506354

110. ['other vegetables', 'whipped/sour cream'] | 0.02887646161667514

111. ['other vegetables', 'domestic eggs'] | 0.02226741230299949

112. ['rolls/buns', 'bottled water'] | 0.024199288256227757

113. ['rolls/buns', 'soda'] | 0.03833248601931876

114. ['rolls/buns', 'pastry'] | 0.02094560244026436

115. ['rolls/buns', 'root vegetables'] | 0.024300965937976614

116. ['rolls/buns', 'sausage'] | 0.030604982206405694

117. ['bottled water', 'soda'] | 0.028978139298423997

118. ['soda', 'pastry'] | 0.021047280122013217

119. ['soda', 'sausage'] | 0.024300965937976614

120. ['soda', 'shopping bags'] | 0.024605998983223184

################### Generating Frequent 3 item-set ###################

121. ['yogurt', 'whole milk', 'other vegetables'] | 0.02226741230299949

122. ['whole milk', 'other vegetables', 'root vegetables'] | 0.023182511438739197

################### Generating Frequent 4 item-set ###################

[['citrus fruit'], ['margarine'], ['tropical fruit'], ['yogurt'], ['coffee'], ['whole milk'], ['pip fruit'], ['cream cheese '], ['other vegetables'], ['long life bakery product'], ['butter'], ['rolls/buns'], ['UHT-milk'], ['bottled beer'], ['white bread'], ['bottled water'], ['chocolate'], ['curd'], ['beef'], ['frankfurter'], ['soda'], ['chicken'], ['sugar'], ['fruit/vegetable juice'], ['newspapers'], ['specialty bar'], ['butter milk'], ['pastry'], ['root vegetables'], ['salty snack'], ['waffles'], ['candy'], ['canned beer'], ['sausage'], ['brown bread'], ['shopping bags'], ['beverages'], ['hamburger meat'], ['hygiene articles'], ['napkins'], ['pork'], ['berries'], ['whipped/sour cream'], ['grapes'], ['dessert'], ['domestic eggs'], ['misc. beverages'], ['hard cheese'], ['cat food'], ['ham'], ['oil'], ['chewing gum'], ['ice cream'], ['frozen vegetables'], ['specialty chocolate'], ['frozen meals'], ['onions'], ['sliced cheese'], ['meat'], ['citrus fruit', 'yogurt'], ['citrus fruit', 'whole milk'], ['citrus fruit', 'other vegetables'], ['margarine', 'whole milk'], ['tropical fruit', 'yogurt'], ['tropical fruit', 'whole milk'], ['tropical fruit', 'pip fruit'], ['tropical fruit', 'other vegetables'], ['tropical fruit', 'rolls/buns'], ['tropical fruit', 'soda'], ['tropical fruit', 'root vegetables'], ['yogurt', 'whole milk'], ['yogurt', 'other vegetables'], ['yogurt', 'rolls/buns'], ['yogurt', 'bottled water'], ['yogurt', 'soda'], ['yogurt', 'root vegetables'], ['yogurt', 'whipped/sour cream'], ['whole milk', 'pip fruit'], ['whole milk', 'other vegetables'], ['whole milk', 'butter'], ['whole milk', 'rolls/buns'], ['whole milk', 'bottled beer'], ['whole milk', 'bottled water'], ['whole milk', 'curd'], ['whole milk', 'beef'], ['whole milk', 'frankfurter'], ['whole milk', 'soda'], ['whole milk', 'fruit/vegetable juice'], ['whole milk', 'newspapers'], ['whole milk', 'pastry'], ['whole milk', 'root vegetables'], ['whole milk', 'sausage'], ['whole milk', 'brown bread'], ['whole milk', 'shopping bags'], ['whole milk', 'pork'], ['whole milk', 'whipped/sour cream'], ['whole milk', 'domestic eggs'], ['whole milk', 'frozen vegetables'], ['pip fruit', 'other vegetables'], ['other vegetables', 'butter'], ['other vegetables', 'rolls/buns'], ['other vegetables', 'bottled water'], ['other vegetables', 'soda'], ['other vegetables', 'fruit/vegetable juice'], ['other vegetables', 'pastry'], ['other vegetables', 'root vegetables'], ['other vegetables', 'sausage'], ['other vegetables', 'shopping bags'], ['other vegetables', 'pork'], ['other vegetables', 'whipped/sour cream'], ['other vegetables', 'domestic eggs'], ['rolls/buns', 'bottled water'], ['rolls/buns', 'soda'], ['rolls/buns', 'pastry'], ['rolls/buns', 'root vegetables'], ['rolls/buns', 'sausage'], ['bottled water', 'soda'], ['soda', 'pastry'], ['soda', 'sausage'], ['soda', 'shopping bags'], ['yogurt', 'whole milk', 'other vegetables'], ['whole milk', 'other vegetables', 'root vegetables']]

Enter a minimum confidence :: 0.25

1. ['citrus fruit'] -> ['yogurt'](0.2616707616707617) | 0.17895271987798678

2. ['citrus fruit'] -> ['whole milk'](0.36855036855036855) | 0.2772750381291307

3. ['citrus fruit'] -> ['other vegetables'](0.3488943488943489) | 0.2185053380782918

4. ['margarine'] -> ['whole milk'](0.4131944444444444) | 0.26568378240976104

5. ['margarine'] -> ['other vegetables'](0.3368055555555556) | 0.21260803253685817

6. ['margarine'] -> ['rolls/buns'](0.2517361111111111) | 0.21301474326385358

7. ['tropical fruit'] -> ['yogurt'](0.27906976744186046) | 0.185866802236909

8. ['tropical fruit'] -> ['whole milk'](0.40310077519379844) | 0.27585155058464667

9. ['tropical fruit'] -> ['other vegetables'](0.34205426356589147) | 0.22663955261820032

10. ['yogurt'] -> ['whole milk'](0.40160349854227406) | 0.2829689883070666

11. ['yogurt'] -> ['other vegetables'](0.3112244897959184) | 0.24616166751398066

12. ['coffee'] -> ['whole milk'](0.3222416812609457) | 0.27615658362989326

13. ['whole milk'] -> ['other vegetables'](0.29287703939514526) | 0.29933909506863243

14. ['pip fruit'] -> ['tropical fruit'](0.2701612903225806) | 0.1397051347229283

15. ['pip fruit'] -> ['whole milk'](0.3978494623655914) | 0.27097102186070154

16. ['pip fruit'] -> ['other vegetables'](0.34543010752688175) | 0.21687849517031013

17. ['cream cheese '] -> ['yogurt'](0.3128205128205128) | 0.1543467208947636

18. ['cream cheese '] -> ['whole milk'](0.4153846153846154) | 0.26222674123029993

19. ['cream cheese '] -> ['other vegetables'](0.34615384615384615) | 0.20569395017793593

20. ['cream cheese '] -> ['rolls/buns'](0.2512820512820513) | 0.2036603965429588

21. ['other vegetables'] -> ['whole milk'](0.38675775091960063) | 0.29933909506863243

22. ['long life bakery product'] -> ['whole milk'](0.36141304347826086) | 0.2658871377732588

23. ['long life bakery product'] -> ['other vegetables'](0.28532608695652173) | 0.20955770208439248

24. ['butter'] -> ['yogurt'](0.26422018348623855) | 0.16563294356888664

25. ['butter'] -> ['whole milk'](0.4972477064220184) | 0.255821047280122

26. ['butter'] -> ['other vegetables'](0.3614678899082569) | 0.20884595831215047

27. ['rolls/buns'] -> ['whole milk'](0.30790491984521834) | 0.32618200305033046

28. ['bottled beer'] -> ['whole milk'](0.2537878787878788) | 0.29517031011692935

29. ['white bread'] -> ['whole milk'](0.4057971014492754) | 0.26344687341128625

30. ['white bread'] -> ['other vegetables'](0.32608695652173914) | 0.2081342145399085

31. ['bottled water'] -> ['whole milk'](0.3109475620975161) | 0.2973055414336553

32. ['bottled water'] -> ['soda'](0.2621895124195032) | 0.22694458566344688

33. ['chocolate'] -> ['whole milk'](0.3360655737704918) | 0.2717844433146924

34. ['chocolate'] -> ['other vegetables'](0.25614754098360654) | 0.21769191662430099

35. ['chocolate'] -> ['soda'](0.2725409836065574) | 0.19694966954753432

36. ['curd'] -> ['yogurt'](0.3244274809160305) | 0.15821047280122014

37. ['curd'] -> ['whole milk'](0.4904580152671756) | 0.256532791052364

38. ['curd'] -> ['other vegetables'](0.32251908396946566) | 0.21240467717336045

39. ['beef'] -> ['whole milk'](0.4050387596899225) | 0.26548042704626335

40. ['beef'] -> ['other vegetables'](0.375968992248062) | 0.20650737163192678

41. ['beef'] -> ['rolls/buns'](0.2596899224806202) | 0.20915099135739706

42. ['beef'] -> ['root vegetables'](0.3313953488372093) | 0.12669039145907474

43. ['frankfurter'] -> ['whole milk'](0.3482758620689655) | 0.27341128622267413

44. ['frankfurter'] -> ['other vegetables'](0.2793103448275862) | 0.21952211489578036

45. ['frankfurter'] -> ['rolls/buns'](0.3258620689655172) | 0.2044738179969497

46. ['chicken'] -> ['whole milk'](0.4099526066350711) | 0.2632435180477885

47. ['chicken'] -> ['other vegetables'](0.41706161137440756) | 0.20061006609049312

48. ['chicken'] -> ['root vegetables'](0.25355450236966826) | 0.13014743263853584

49. ['sugar'] -> ['whole milk'](0.4444444444444444) | 0.2592780884595831

50. ['sugar'] -> ['other vegetables'](0.3183183183183183) | 0.2057956278596848

51. ['fruit/vegetable juice'] -> ['yogurt'](0.2587904360056259) | 0.17437722419928825

52. ['fruit/vegetable juice'] -> ['whole milk'](0.36849507735583686) | 0.27452974072191155

53. ['fruit/vegetable juice'] -> ['other vegetables'](0.2911392405063291) | 0.22369089984748347

54. ['fruit/vegetable juice'] -> ['soda'](0.2545710267229255) | 0.20986273512963904

55. ['newspapers'] -> ['whole milk'](0.34267515923566877) | 0.28063040162684294

56. ['specialty bar'] -> ['soda'](0.26394052044609667) | 0.18729028978139298

57. ['butter milk'] -> ['yogurt'](0.3054545454545455) | 0.15038129130655822

58. ['butter milk'] -> ['whole milk'](0.41454545454545455) | 0.2602948652770717

59. ['butter milk'] -> ['other vegetables'](0.3709090909090909) | 0.200711743772242

60. ['butter milk'] -> ['rolls/buns'](0.2727272727272727) | 0.19664463650228775

61. ['pastry'] -> ['whole milk'](0.3737142857142857) | 0.27798678190137266

62. ['pastry'] -> ['other vegetables'](0.2537142857142857) | 0.2373157092018302

63. ['root vegetables'] -> ['whole milk'](0.44869402985074625) | 0.2667005592272496

64. ['root vegetables'] -> ['other vegetables'](0.43470149253731344) | 0.20772750381291308

65. ['salty snack'] -> ['whole milk'](0.2956989247311828) | 0.27097102186070154

66. ['salty snack'] -> ['other vegetables'](0.2849462365591398) | 0.20976105744789017

67. ['waffles'] -> ['whole milk'](0.3306878306878307) | 0.268530757498729

68. ['waffles'] -> ['other vegetables'](0.2619047619047619) | 0.21179461108286732

69. ['candy'] -> ['whole milk'](0.2755102040816326) | 0.26893746822572445

70. ['candy'] -> ['soda'](0.2891156462585034) | 0.1869852567361464

71. ['sausage'] -> ['whole milk'](0.3181818181818182) | 0.2896797153024911

72. ['sausage'] -> ['other vegetables'](0.28679653679653677) | 0.2335536349771225

73. ['sausage'] -> ['rolls/buns'](0.32575757575757575) | 0.2166751398068124

74. ['sausage'] -> ['soda'](0.25865800865800864) | 0.21972547025927808

75. ['brown bread'] -> ['whole milk'](0.3887147335423197) | 0.269954245043213

76. ['brown bread'] -> ['other vegetables'](0.2884012539184953) | 0.22094560244026437

77. ['beverages'] -> ['whole milk'](0.26171875) | 0.2679206914082359

78. ['hamburger meat'] -> ['whole milk'](0.4434250764525994) | 0.2592780884595831

79. ['hamburger meat'] -> ['other vegetables'](0.41590214067278286) | 0.1990849008642603

80. ['hamburger meat'] -> ['rolls/buns'](0.2599388379204893) | 0.19989832231825114

81. ['hygiene articles'] -> ['whole milk'](0.3888888888888889) | 0.2628368073207931

82. ['hygiene articles'] -> ['other vegetables'](0.29012345679012347) | 0.20732079308591767

83. ['napkins'] -> ['whole milk'](0.3766990291262136) | 0.26842907981698017

84. ['napkins'] -> ['other vegetables'](0.2757281553398058) | 0.21698017285205898

85. ['pork'] -> ['whole milk'](0.3844797178130511) | 0.2688357905439756

86. ['pork'] -> ['other vegetables'](0.37566137566137564) | 0.2078291814946619

87. ['berries'] -> ['yogurt'](0.3180428134556575) | 0.1516014234875445

88. ['berries'] -> ['whole milk'](0.3547400611620795) | 0.26517539400101675

89. ['berries'] -> ['other vegetables'](0.308868501529052) | 0.20620233858668022

90. ['berries'] -> ['whipped/sour cream'](0.27217125382262997) | 0.08683274021352314

91. ['whipped/sour cream'] -> ['yogurt'](0.28936170212765955) | 0.16970005083884088

92. ['whipped/sour cream'] -> ['whole milk'](0.44964539007092197) | 0.2627351296390442

93. ['whipped/sour cream'] -> ['other vegetables'](0.40283687943262414) | 0.20742247076766648

94. ['grapes'] -> ['tropical fruit'](0.2727272727272727) | 0.11509913573970512

95. ['grapes'] -> ['whole milk'](0.32727272727272727) | 0.2632435180477885

96. ['grapes'] -> ['other vegetables'](0.40454545454545454) | 0.19776309100152514

97. ['dessert'] -> ['yogurt'](0.26575342465753427) | 0.156888662938485

98. ['dessert'] -> ['whole milk'](0.3698630136986301) | 0.26517539400101675

99. ['dessert'] -> ['other vegetables'](0.31232876712328766) | 0.20742247076766648

100. ['dessert'] -> ['soda'](0.26575342465753427) | 0.19176410777834266

101. ['domestic eggs'] -> ['whole milk'](0.47275641025641024) | 0.2589730554143366

102. ['domestic eggs'] -> ['other vegetables'](0.35096153846153844) | 0.21240467717336045

103. ['misc. beverages'] -> ['soda'](0.25806451612903225) | 0.18810371123538383

104. ['hard cheese'] -> ['yogurt'](0.26141078838174275) | 0.15119471276054905

105. ['hard cheese'] -> ['whole milk'](0.4107883817427386) | 0.25988815455007624

106. ['hard cheese'] -> ['other vegetables'](0.38589211618257263) | 0.19908490086426028

107. ['cat food'] -> ['yogurt'](0.2663755458515284) | 0.15038129130655822

108. ['cat food'] -> ['whole milk'](0.3799126637554585) | 0.2611082867310625

109. ['cat food'] -> ['other vegetables'](0.2794759825327511) | 0.20376207422470766

110. ['ham'] -> ['yogurt'](0.2578125) | 0.15210981189628875

111. ['ham'] -> ['whole milk'](0.44140625) | 0.25856634468734113

112. ['ham'] -> ['other vegetables'](0.3515625) | 0.20122013218098628

113. ['ham'] -> ['rolls/buns'](0.265625) | 0.19613624809354346

114. ['oil'] -> ['whole milk'](0.40217391304347827) | 0.26100660904931366

115. ['oil'] -> ['other vegetables'](0.35507246376811596) | 0.2016268429079817

116. ['oil'] -> ['root vegetables'](0.25) | 0.12302999491611591

117. ['chewing gum'] -> ['soda'](0.2560386473429952) | 0.18464667005592272

118. ['frozen vegetables'] -> ['yogurt'](0.25792811839323465) | 0.16278596847991866

119. ['frozen vegetables'] -> ['whole milk'](0.4249471458773784) | 0.2627351296390442

120. ['frozen vegetables'] -> ['other vegetables'](0.3699788583509514) | 0.20599898322318252

121. ['specialty chocolate'] -> ['whole milk'](0.26421404682274247) | 0.2698525673614641

122. ['frozen meals'] -> ['whole milk'](0.34767025089605735) | 0.26415861718352823

123. ['frozen meals'] -> ['other vegetables'](0.26523297491039427) | 0.20681240467717338

124. ['onions'] -> ['whole milk'](0.3901639344262295) | 0.26232841891204883

125. ['onions'] -> ['other vegetables'](0.45901639344262296) | 0.19603457041179462

126. ['onions'] -> ['root vegetables'](0.30491803278688523) | 0.12109811896288764

127. ['sliced cheese'] -> ['yogurt'](0.3278008298755187) | 0.14794102694458566

128. ['sliced cheese'] -> ['whole milk'](0.43983402489626555) | 0.2584646670055923

129. ['sliced cheese'] -> ['other vegetables'](0.36929460580912865) | 0.19989832231825114

130. ['sliced cheese'] -> ['rolls/buns'](0.3112033195020747) | 0.19318759532282664

131. ['sliced cheese'] -> ['sausage'](0.2863070539419087) | 0.10442297915607524

132. ['meat'] -> ['whole milk'](0.3858267716535433) | 0.2614133197763091

133. ['meat'] -> ['other vegetables'](0.3858267716535433) | 0.19938993390950685

134. ['meat'] -> ['rolls/buns'](0.2677165354330709) | 0.19593289273004574

135. ['citrus fruit', 'yogurt'] -> ['tropical fruit'](0.29107981220657275) | 0.11398068124046772

136. ['citrus fruit', 'yogurt'] -> ['whole milk'](0.47417840375586856) | 0.25663446873411283

137. ['citrus fruit', 'yogurt'] -> ['other vegetables'](0.352112676056338) | 0.19989832231825114

138. ['citrus fruit', 'yogurt'] -> ['rolls/buns'](0.2676056338028169) | 0.19400101677681747

139. ['citrus fruit', 'whole milk'] -> ['tropical fruit'](0.2966666666666667) | 0.11733604473817998

140. ['citrus fruit', 'whole milk'] -> ['yogurt'](0.33666666666666667) | 0.14946619217081852

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142. ['citrus fruit', 'whole milk'] -> ['root vegetables'](0.3) | 0.12119979664463651

143. ['citrus fruit', 'other vegetables'] -> ['tropical fruit'](0.31338028169014087) | 0.11570920183019827

144. ['citrus fruit', 'other vegetables'] -> ['yogurt'](0.2640845070422535) | 0.15312658871377732

145. ['citrus fruit', 'other vegetables'] -> ['whole milk'](0.4507042253521127) | 0.25836298932384344

146. ['citrus fruit', 'other vegetables'] -> ['root vegetables'](0.3591549295774648) | 0.11713268937468226

147. ['margarine', 'whole milk'] -> ['yogurt'](0.28991596638655465) | 0.14966954753431622

148. ['margarine', 'whole milk'] -> ['other vegetables'](0.38235294117647056) | 0.19918657854600916

149. ['margarine', 'whole milk'] -> ['rolls/buns'](0.3277310924369748) | 0.19227249618708694

150. ['tropical fruit', 'yogurt'] -> ['whole milk'](0.5173611111111112) | 0.2544992374173869

151. ['tropical fruit', 'yogurt'] -> ['other vegetables'](0.4201388888888889) | 0.19816980172852058

152. ['tropical fruit', 'yogurt'] -> ['rolls/buns'](0.2986111111111111) | 0.19572953736654805

153. ['tropical fruit', 'yogurt'] -> ['root vegetables'](0.2777777777777778) | 0.12201321809862736

154. ['tropical fruit', 'yogurt'] -> ['whole milk', 'other vegetables'](0.2604166666666667) | 0.08886629384850026

155. ['tropical fruit', 'whole milk'] -> ['yogurt'](0.3581730769230769) | 0.15149974580579562

156. ['tropical fruit', 'whole milk'] -> ['other vegetables'](0.40384615384615385) | 0.2016268429079817

157. ['tropical fruit', 'whole milk'] -> ['rolls/buns'](0.25961538461538464) | 0.20427046263345194

158. ['tropical fruit', 'whole milk'] -> ['root vegetables'](0.28365384615384615) | 0.12730045754956787

159. ['tropical fruit', 'pip fruit'] -> ['citrus fruit'](0.2736318407960199) | 0.0920183019827148

160. ['tropical fruit', 'pip fruit'] -> ['yogurt'](0.31343283582089554) | 0.1471276054905948

161. ['tropical fruit', 'pip fruit'] -> ['whole milk'](0.4129353233830846) | 0.2590747330960854

162. ['tropical fruit', 'pip fruit'] -> ['other vegetables'](0.4626865671641791) | 0.19501779359430604

163. ['tropical fruit', 'pip fruit'] -> ['root vegetables'](0.25870646766169153) | 0.11886120996441281

164. ['tropical fruit', 'other vegetables'] -> ['citrus fruit'](0.2521246458923513) | 0.1005592272496187

165. ['tropical fruit', 'other vegetables'] -> ['yogurt'](0.34277620396600567) | 0.15078800203355364

166. ['tropical fruit', 'other vegetables'] -> ['whole milk'](0.47592067988668557) | 0.257244534824606

167. ['tropical fruit', 'other vegetables'] -> ['pip fruit'](0.26345609065155806) | 0.09262836807320793

168. ['tropical fruit', 'other vegetables'] -> ['root vegetables'](0.34277620396600567) | 0.12028469750889681

169. ['tropical fruit', 'rolls/buns'] -> ['yogurt'](0.35537190082644626) | 0.14661921708185052

170. ['tropical fruit', 'rolls/buns'] -> ['whole milk'](0.4462809917355372) | 0.2581596339603457

171. ['tropical fruit', 'rolls/buns'] -> ['other vegetables'](0.3181818181818182) | 0.20244026436197254

172. ['tropical fruit', 'soda'] -> ['yogurt'](0.3170731707317073) | 0.14712760549059484

173. ['tropical fruit', 'soda'] -> ['whole milk'](0.375609756097561) | 0.2607015760040671

174. ['tropical fruit', 'soda'] -> ['other vegetables'](0.3463414634146341) | 0.19989832231825116

175. ['tropical fruit', 'soda'] -> ['rolls/buns'](0.25853658536585367) | 0.1940010167768175

176. ['tropical fruit', 'root vegetables'] -> ['citrus fruit'](0.27053140096618356) | 0.09242501270971022

177. ['tropical fruit', 'root vegetables'] -> ['yogurt'](0.3864734299516908) | 0.14428063040162684

178. ['tropical fruit', 'root vegetables'] -> ['whole milk'](0.5700483091787439) | 0.2525673614641586

179. ['tropical fruit', 'root vegetables'] -> ['pip fruit'](0.25120772946859904) | 0.08612099644128114

180. ['tropical fruit', 'root vegetables'] -> ['other vegetables'](0.5845410628019324) | 0.18993390950686323

181. ['tropical fruit', 'root vegetables'] -> ['rolls/buns'](0.28019323671497587) | 0.19318759532282664

182. ['tropical fruit', 'root vegetables'] -> ['yogurt', 'whole milk'](0.27053140096618356) | 0.06568378240976105

183. ['tropical fruit', 'root vegetables'] -> ['whole milk', 'other vegetables'](0.3333333333333333) | 0.08185053380782918

184. ['yogurt', 'whole milk'] -> ['tropical fruit'](0.27041742286751363) | 0.13065582104728013

185. ['yogurt', 'whole milk'] -> ['other vegetables'](0.397459165154265) | 0.20498220640569395

186. ['yogurt', 'whole milk'] -> ['rolls/buns'](0.2776769509981851) | 0.20884595831215047

187. ['yogurt', 'whole milk'] -> ['root vegetables'](0.2595281306715064) | 0.13594306049822064

188. ['yogurt', 'other vegetables'] -> ['tropical fruit'](0.28337236533957844) | 0.1237417386883579

189. ['yogurt', 'other vegetables'] -> ['whole milk'](0.5128805620608899) | 0.25439755973563805

190. ['yogurt', 'other vegetables'] -> ['rolls/buns'](0.2646370023419204) | 0.2043721403152008

191. ['yogurt', 'other vegetables'] -> ['root vegetables'](0.297423887587822) | 0.12658871377732586

192. ['yogurt', 'rolls/buns'] -> ['tropical fruit'](0.25443786982248523) | 0.12180986273512964

193. ['yogurt', 'rolls/buns'] -> ['whole milk'](0.4526627218934911) | 0.2587697000508388

194. ['yogurt', 'rolls/buns'] -> ['other vegetables'](0.3343195266272189) | 0.2048805287239451

195. ['yogurt', 'rolls/buns'] -> ['soda'](0.2514792899408284) | 0.1914590747330961

196. ['yogurt', 'bottled water'] -> ['tropical fruit'](0.30973451327433627) | 0.11367564819522115

197. ['yogurt', 'bottled water'] -> ['whole milk'](0.42035398230088494) | 0.25917641077783427

198. ['yogurt', 'bottled water'] -> ['other vegetables'](0.35398230088495575) | 0.20020335536349773

199. ['yogurt', 'bottled water'] -> ['rolls/buns'](0.30973451327433627) | 0.19267920691408236

200. ['yogurt', 'bottled water'] -> ['soda'](0.3230088495575221) | 0.18251143873919673

201. ['yogurt', 'soda'] -> ['whole milk'](0.3828996282527881) | 0.2619217081850534

202. ['yogurt', 'soda'] -> ['other vegetables'](0.3048327137546468) | 0.2041687849517031

203. ['yogurt', 'soda'] -> ['rolls/buns'](0.3159851301115242) | 0.19400101677681747

204. ['yogurt', 'soda'] -> ['bottled water'](0.27137546468401486) | 0.12302999491611591

205. ['yogurt', 'root vegetables'] -> ['tropical fruit'](0.31496062992125984) | 0.11448906964921199

206. ['yogurt', 'root vegetables'] -> ['whole milk'](0.562992125984252) | 0.25226232841891205

207. ['yogurt', 'root vegetables'] -> ['other vegetables'](0.5) | 0.1934926283680732

208. ['yogurt', 'root vegetables'] -> ['rolls/buns'](0.2795275590551181) | 0.1953228266395526

209. ['yogurt', 'root vegetables'] -> ['whole milk', 'other vegetables'](0.3031496062992126) | 0.08500254194204371

210. ['yogurt', 'whipped/sour cream'] -> ['tropical fruit'](0.29901960784313725) | 0.11326893746822572

211. ['yogurt', 'whipped/sour cream'] -> ['whole milk'](0.5245098039215687) | 0.2544992374173869

212. ['yogurt', 'whipped/sour cream'] -> ['other vegetables'](0.49019607843137253) | 0.19389933909506862

213. ['yogurt', 'whipped/sour cream'] -> ['root vegetables'](0.3088235294117647) | 0.11692933401118455

214. ['yogurt', 'whipped/sour cream'] -> ['whole milk', 'other vegetables'](0.2696078431372549) | 0.08439247585155059

215. ['whole milk', 'pip fruit'] -> ['tropical fruit'](0.28040540540540543) | 0.11814946619217082

216. ['whole milk', 'pip fruit'] -> ['yogurt'](0.31756756756756754) | 0.15048296898830707

217. ['whole milk', 'pip fruit'] -> ['other vegetables'](0.44932432432432434) | 0.1965429588205389

218. ['whole milk', 'pip fruit'] -> ['root vegetables'](0.2972972972972973) | 0.12119979664463651

219. ['whole milk', 'other vegetables'] -> ['yogurt'](0.297554347826087) | 0.16980172852058972

220. ['whole milk', 'other vegetables'] -> ['root vegetables'](0.30978260869565216) | 0.1374682257244535

221. ['whole milk', 'butter'] -> ['yogurt'](0.33948339483394835) | 0.1483477376715811

222. ['whole milk', 'butter'] -> ['other vegetables'](0.41697416974169743) | 0.19806812404677174

223. ['whole milk', 'butter'] -> ['root vegetables'](0.2988929889298893) | 0.12008134214539909

224. ['whole milk', 'rolls/buns'] -> ['yogurt'](0.2746858168761221) | 0.1650228774783935

225. ['whole milk', 'rolls/buns'] -> ['other vegetables'](0.31597845601436264) | 0.2143365531265887

226. ['whole milk', 'bottled beer'] -> ['yogurt'](0.2537313432835821) | 0.14956786985256734

227. ['whole milk', 'bottled beer'] -> ['other vegetables'](0.373134328358209) | 0.19867819013726487

228. ['whole milk', 'bottled beer'] -> ['rolls/buns'](0.263681592039801) | 0.19359430604982208

229. ['whole milk', 'bottled beer'] -> ['bottled water'](0.29850746268656714) | 0.11875953228266395

230. ['whole milk', 'bottled water'] -> ['yogurt'](0.28106508875739644) | 0.1545500762582613

231. ['whole milk', 'bottled water'] -> ['other vegetables'](0.3136094674556213) | 0.20630401626842906

232. ['whole milk', 'bottled water'] -> ['rolls/buns'](0.25443786982248523) | 0.20081342145399084

233. ['whole milk', 'curd'] -> ['yogurt'](0.3852140077821012) | 0.1455007625826131

234. ['whole milk', 'curd'] -> ['other vegetables'](0.377431906614786) | 0.19989832231825116

235. ['whole milk', 'beef'] -> ['yogurt'](0.28708133971291866) | 0.1485510930350788

236. ['whole milk', 'beef'] -> ['other vegetables'](0.4354066985645933) | 0.19623792577529234

237. ['whole milk', 'beef'] -> ['rolls/buns'](0.32057416267942584) | 0.19156075241484494

238. ['whole milk', 'beef'] -> ['root vegetables'](0.37799043062200954) | 0.11418403660396542

239. ['whole milk', 'frankfurter'] -> ['tropical fruit'](0.2524752475247525) | 0.11509913573970514

240. ['whole milk', 'frankfurter'] -> ['yogurt'](0.30198019801980197) | 0.1476359938993391

241. ['whole milk', 'frankfurter'] -> ['other vegetables'](0.3712871287128713) | 0.19877986781901372

242. ['whole milk', 'frankfurter'] -> ['rolls/buns'](0.29207920792079206) | 0.19247585155058466

243. ['whole milk', 'soda'] -> ['yogurt'](0.2614213197969543) | 0.15861718352821555

244. ['whole milk', 'soda'] -> ['other vegetables'](0.3477157360406091) | 0.20569395017793593

245. ['whole milk', 'fruit/vegetable juice'] -> ['yogurt'](0.3549618320610687) | 0.14722928317234368

246. ['whole milk', 'fruit/vegetable juice'] -> ['other vegetables'](0.3931297709923664) | 0.19918657854600913

247. ['whole milk', 'newspapers'] -> ['other vegetables'](0.3048327137546468) | 0.2041687849517031

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249. ['whole milk', 'pastry'] -> ['yogurt'](0.27522935779816515) | 0.15444839857651246

250. ['whole milk', 'pastry'] -> ['other vegetables'](0.3180428134556575) | 0.20559227249618708

251. ['whole milk', 'pastry'] -> ['rolls/buns'](0.25688073394495414) | 0.20010167768174886

252. ['whole milk', 'root vegetables'] -> ['yogurt'](0.2972972972972973) | 0.15932892730045756

253. ['whole milk', 'root vegetables'] -> ['other vegetables'](0.47401247401247404) | 0.19603457041179462

254. ['whole milk', 'root vegetables'] -> ['rolls/buns'](0.2598752598752599) | 0.20742247076766648

255. ['whole milk', 'sausage'] -> ['yogurt'](0.2925170068027211) | 0.15190645653279106

256. ['whole milk', 'sausage'] -> ['other vegetables'](0.3401360544217687) | 0.20305033045246568

257. ['whole milk', 'sausage'] -> ['rolls/buns'](0.3129251700680272) | 0.19511947127605492

258. ['whole milk', 'sausage'] -> ['root vegetables'](0.2585034013605442) | 0.12343670564311134

259. ['whole milk', 'brown bread'] -> ['yogurt'](0.28225806451612906) | 0.15048296898830707

260. ['whole milk', 'brown bread'] -> ['other vegetables'](0.3709677419354839) | 0.19999999999999998

261. ['whole milk', 'shopping bags'] -> ['other vegetables'](0.3112033195020747) | 0.2027452974072191

262. ['whole milk', 'shopping bags'] -> ['soda'](0.27800829875518673) | 0.18525673614641586

263. ['whole milk', 'pork'] -> ['other vegetables'](0.45871559633027525) | 0.1953228266395526

264. ['whole milk', 'pork'] -> ['rolls/buns'](0.2798165137614679) | 0.19369598373157093

265. ['whole milk', 'pork'] -> ['root vegetables'](0.3073394495412844) | 0.11753940010167768

266. ['whole milk', 'whipped/sour cream'] -> ['yogurt'](0.33753943217665616) | 0.1499745805795628

267. ['whole milk', 'whipped/sour cream'] -> ['other vegetables'](0.45425867507886436) | 0.19644128113879003

268. ['whole milk', 'whipped/sour cream'] -> ['root vegetables'](0.29337539432176657) | 0.12231825114387392

269. ['whole milk', 'domestic eggs'] -> ['yogurt'](0.2576271186440678) | 0.15404168784951705

270. ['whole milk', 'domestic eggs'] -> ['other vegetables'](0.4101694915254237) | 0.1988815455007626

271. ['whole milk', 'domestic eggs'] -> ['root vegetables'](0.2847457627118644) | 0.1219115404168785

272. ['whole milk', 'frozen vegetables'] -> ['yogurt'](0.29850746268656714) | 0.14773767158108794

273. ['whole milk', 'frozen vegetables'] -> ['other vegetables'](0.472636815920398) | 0.19461108286731063

274. ['whole milk', 'frozen vegetables'] -> ['root vegetables'](0.3034825870646766) | 0.1170310116929334

275. ['pip fruit', 'other vegetables'] -> ['tropical fruit'](0.36186770428015563) | 0.1121504829689883

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278. ['pip fruit', 'other vegetables'] -> ['root vegetables'](0.311284046692607) | 0.11886120996441282

279. ['other vegetables', 'butter'] -> ['tropical fruit'](0.27411167512690354) | 0.11398068124046772

280. ['other vegetables', 'butter'] -> ['yogurt'](0.3197969543147208) | 0.1467208947635994

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282. ['other vegetables', 'butter'] -> ['rolls/buns'](0.28426395939086296) | 0.1925775292323335

283. ['other vegetables', 'butter'] -> ['root vegetables'](0.3299492385786802) | 0.11581087951194713

284. ['other vegetables', 'butter'] -> ['whipped/sour cream'](0.2893401015228426) | 0.08012201321809863

285. ['other vegetables', 'rolls/buns'] -> ['yogurt'](0.26968973747016706) | 0.15912557193695986

286. ['other vegetables', 'rolls/buns'] -> ['whole milk'](0.4200477326968974) | 0.26232841891204883

287. ['other vegetables', 'rolls/buns'] -> ['root vegetables'](0.2863961813842482) | 0.12719877986781902

288. ['other vegetables', 'bottled water'] -> ['tropical fruit'](0.25) | 0.11733604473817998

289. ['other vegetables', 'bottled water'] -> ['yogurt'](0.32786885245901637) | 0.1480427046263345

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292. ['other vegetables', 'bottled water'] -> ['root vegetables'](0.2827868852459016) | 0.11977630910015251

293. ['other vegetables', 'soda'] -> ['yogurt'](0.2546583850931677) | 0.15556685307574988

294. ['other vegetables', 'soda'] -> ['whole milk'](0.4254658385093168) | 0.26039654295882053

295. ['other vegetables', 'soda'] -> ['rolls/buns'](0.30124223602484473) | 0.19694966954753432

296. ['other vegetables', 'soda'] -> ['root vegetables'](0.2515527950310559) | 0.12526690391459075

297. ['other vegetables', 'fruit/vegetable juice'] -> ['tropical fruit'](0.3140096618357488) | 0.11276054905948145

298. ['other vegetables', 'fruit/vegetable juice'] -> ['yogurt'](0.391304347826087) | 0.14407727503812914

299. ['other vegetables', 'fruit/vegetable juice'] -> ['whole milk'](0.4975845410628019) | 0.2556176919166243

300. ['other vegetables', 'fruit/vegetable juice'] -> ['root vegetables'](0.3140096618357488) | 0.11682765632943569

301. ['other vegetables', 'pastry'] -> ['yogurt'](0.2927927927927928) | 0.1488561260803254

302. ['other vegetables', 'pastry'] -> ['whole milk'](0.46846846846846846) | 0.2569395017793594

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304. ['other vegetables', 'pastry'] -> ['root vegetables'](0.26126126126126126) | 0.11977630910015251

305. ['other vegetables', 'root vegetables'] -> ['tropical fruit'](0.259656652360515) | 0.12770716827656328

306. ['other vegetables', 'root vegetables'] -> ['yogurt'](0.27253218884120173) | 0.1610574478901881

307. ['other vegetables', 'root vegetables'] -> ['whole milk'](0.4892703862660944) | 0.256532791052364

308. ['other vegetables', 'root vegetables'] -> ['rolls/buns'](0.2575107296137339) | 0.20691408235892222

309. ['other vegetables', 'sausage'] -> ['yogurt'](0.3018867924528302) | 0.1501779359430605

310. ['other vegetables', 'sausage'] -> ['whole milk'](0.37735849056603776) | 0.2621250635485511

311. ['other vegetables', 'sausage'] -> ['rolls/buns'](0.3283018867924528) | 0.19318759532282664

312. ['other vegetables', 'sausage'] -> ['soda'](0.2679245283018868) | 0.18688357905439756

313. ['other vegetables', 'sausage'] -> ['root vegetables'](0.2528301886792453) | 0.12231825114387393

314. ['other vegetables', 'shopping bags'] -> ['whole milk'](0.32894736842105265) | 0.26344687341128625

315. ['other vegetables', 'shopping bags'] -> ['root vegetables'](0.2850877192982456) | 0.11896288764616167

316. ['other vegetables', 'pork'] -> ['whole milk'](0.4694835680751174) | 0.2568378240976106

317. ['other vegetables', 'pork'] -> ['rolls/buns'](0.25821596244131456) | 0.1944077275038129

318. ['other vegetables', 'pork'] -> ['root vegetables'](0.323943661971831) | 0.11662430096593797

319. ['other vegetables', 'whipped/sour cream'] -> ['tropical fruit'](0.2711267605633803) | 0.11814946619217082

320. ['other vegetables', 'whipped/sour cream'] -> ['yogurt'](0.352112676056338) | 0.1480427046263345

321. ['other vegetables', 'whipped/sour cream'] -> ['whole milk'](0.5070422535211268) | 0.25510930350788

322. ['other vegetables', 'whipped/sour cream'] -> ['root vegetables'](0.29577464788732394) | 0.12079308591764108

323. ['other vegetables', 'domestic eggs'] -> ['yogurt'](0.2602739726027397) | 0.1501779359430605

324. ['other vegetables', 'domestic eggs'] -> ['whole milk'](0.5525114155251142) | 0.2531774275546517

325. ['other vegetables', 'domestic eggs'] -> ['rolls/buns'](0.2648401826484018) | 0.1944077275038129

326. ['other vegetables', 'domestic eggs'] -> ['root vegetables'](0.3287671232876712) | 0.11662430096593797

327. ['rolls/buns', 'bottled water'] -> ['yogurt'](0.29411764705882354) | 0.14946619217081852

328. ['rolls/buns', 'bottled water'] -> ['whole milk'](0.36134453781512604) | 0.26222674123029993

329. ['rolls/buns', 'bottled water'] -> ['other vegetables'](0.3025210084033613) | 0.20305033045246568

330. ['rolls/buns', 'bottled water'] -> ['soda'](0.2815126050420168) | 0.1849517031011693

331. ['rolls/buns', 'soda'] -> ['other vegetables'](0.2572944297082228) | 0.21209964412811388

332. ['rolls/buns', 'soda'] -> ['sausage'](0.2519893899204244) | 0.11296390442297916

333. ['rolls/buns', 'pastry'] -> ['yogurt'](0.2766990291262136) | 0.14885612608032536

334. ['rolls/buns', 'pastry'] -> ['whole milk'](0.4077669902912621) | 0.25937976614133196

335. ['rolls/buns', 'pastry'] -> ['other vegetables'](0.2912621359223301) | 0.20223690899847485

336. ['rolls/buns', 'pastry'] -> ['soda'](0.25728155339805825) | 0.18454499237417385

337. ['rolls/buns', 'root vegetables'] -> ['yogurt'](0.29707112970711297) | 0.14936451448906965

338. ['rolls/buns', 'root vegetables'] -> ['whole milk'](0.5230125523012552) | 0.25439755973563805

339. ['rolls/buns', 'root vegetables'] -> ['other vegetables'](0.502092050209205) | 0.19339095068632434

340. ['rolls/buns', 'root vegetables'] -> ['whole milk', 'other vegetables'](0.25523012552301255) | 0.08673106253177428

341. ['rolls/buns', 'sausage'] -> ['whole milk'](0.30564784053156147) | 0.26741230299949165

342. ['rolls/buns', 'sausage'] -> ['other vegetables'](0.28903654485049834) | 0.20640569395017794

343. ['rolls/buns', 'sausage'] -> ['soda'](0.31561461794019935) | 0.1856634468734113

344. ['bottled water', 'soda'] -> ['yogurt'](0.256140350877193) | 0.1536349771225216

345. ['bottled water', 'soda'] -> ['whole milk'](0.2596491228070175) | 0.26944585663446874

346. ['soda', 'pastry'] -> ['whole milk'](0.391304347826087) | 0.260091509913574

347. ['soda', 'pastry'] -> ['other vegetables'](0.2608695652173913) | 0.20355871886120996

348. ['soda', 'pastry'] -> ['rolls/buns'](0.2560386473429952) | 0.19420437214031522

349. ['soda', 'sausage'] -> ['whole milk'](0.27615062761506276) | 0.2663955261820031

350. ['soda', 'sausage'] -> ['other vegetables'](0.29707112970711297) | 0.20335536349771227

351. ['soda', 'sausage'] -> ['rolls/buns'](0.39748953974895396) | 0.18891713268937468

352. ['soda', 'shopping bags'] -> ['whole milk'](0.2768595041322314) | 0.2664972038637519

353. ['soda', 'shopping bags'] -> ['rolls/buns'](0.256198347107438) | 0.19593289273004577

354. ['yogurt', 'whole milk', 'other vegetables'] -> ['tropical fruit'](0.3424657534246575) | 0.1119471276054906

355. ['yogurt', 'whole milk', 'other vegetables'] -> ['rolls/buns'](0.2694063926940639) | 0.19420437214031522

356. ['yogurt', 'whole milk', 'other vegetables'] -> ['root vegetables'](0.3515981735159817) | 0.11560752414844942

357. ['yogurt', 'whole milk', 'other vegetables'] -> ['whipped/sour cream'](0.2511415525114155) | 0.08276563294356888

358. ['whole milk', 'other vegetables', 'root vegetables'] -> ['citrus fruit'](0.25) | 0.09435688866293848

359. ['whole milk', 'other vegetables', 'root vegetables'] -> ['tropical fruit'](0.3026315789473684) | 0.11408235892221658

360. ['whole milk', 'other vegetables', 'root vegetables'] -> ['yogurt'](0.33771929824561403) | 0.14702592780884596

361. ['whole milk', 'other vegetables', 'root vegetables'] -> ['rolls/buns'](0.2675438596491228) | 0.19471276054905948

The average dissociation is 0.19088844043053874

The average confidence is 0.33271932585786596

--- Execution Time :: 1241.8851716518402 seconds ---

Process finished with exit code 0