

```

1  With permutation 3b):
2
3  1.
4
5  *****
6  Documents Most Similar To Query number 6
7  *****
8  Similarity   Doc#   Author       Title
9  =====
10
11 *  0.21002736   1543 Howard      # Computer Formulation of th
12      0.20351658   356 Ingeman   # INTEREST (Algorithm 45)
13      0.20038027   740 Wright    # INTEREST (Algorithm 45)
14 *  0.18475864   2078 Eastman   # Representations for Space
15      0.18256636   438 Gorn       # Mechanical Pragmatics: A T
16      0.16838377   136 Ingeman   # A Note on the Calculation
17 *  0.14208068   2828 Clark    # Hierarchical Geometric Mod
18      0.12849758   242 Wilson    # Notes on Geometric Weighte
19      0.12358801   1009 Weinberg # Solution of Combinatorial
20      0.11656377   2389 Eastman  # Preliminary Report on a Sy
21      0.11393833   1186 Lynch    # Recursive Solution of a Cl
22      0.11278336   3035 Wetherbe   # A Strategic Planning Metho
23      0.10671978   2671 Stone     # A Note on a Combinatorial
24      0.10516681   2230 Bracchi    # A Language for Treating Ge
25      0.10283454   2417 Ehrlich    # Four Combinatorial Algorit
26      0.10040089   705 Blakely    # Combinatorial Of M Things
27      0.10011241   1398 Sterling   # Robot Data Screening: A So
28      0.10002990   704 Collins    # Combinatorial of M Things
29      0.09771736   2187 Amarel    # Computer Science: A Concep
30      0.09632651   2826 Burtnyk   # Interactive Skeleton Techn
31      0.09538226   2753 Pfefferkorn # A Heuristic Problem Solvin
32
33 Show the terms that overlap between the query and retrieved docs (y/n): y
34 =====
35 Vector Overlap          6          1543 Docfreq
36 =====
37 motion                   22           27  13
38 =====
39 Vector Overlap          6          356 Docfreq
40 =====
41 interest                 15           11  70
42 =====
43 Vector Overlap          6          740 Docfreq
44 =====
45 interest                 15           11  70
46 =====
47 Vector Overlap          6          2078 Docfreq
48 =====
49 plan                     9           22  35
50 robot                   13           27  3
51 =====
52 Vector Overlap          6          438 Docfreq
53 =====
54 motion                   22           16  13

```

55

56 Continue (y/n)?

57 =====

58 Vector Overlap 6 136 Docfreq

59 =====

60 interest 15 11 70

61 =====

62 Vector Overlap 6 2828 Docfreq

63 =====

64 geometr 11 55 13

65 motion 22 5 13

66 =====

67 Vector Overlap 6 242 Docfreq

68 =====

69 geometr 11 22 13

70 =====

71 Vector Overlap 6 1009 Docfreq

72 =====

73 combinatori 9 18 29

74 =====

75 Vector Overlap 6 2389 Docfreq

76 =====

77 plan 9 36 35

78

79 Continue (y/n)?

80 =====

81 Vector Overlap 6 1186 Docfreq

82 =====

83 combinatori 9 18 29

84

85

86

87

88

89

90 *****

91 Documents Most Similar To Query number 9

92 *****

93 Similarity Doc# Author Title

94 =====

95

96 0.52918307 1685 Schurmann # GAN, a System for Generati

97 0.41612638 2949 Tajibnapis # A Correctness Proof of a T

98 * 0.39925599 3158 Denning # Secure Personal Computing

99 0.38787696 2197 Nielsen # The Merit of Regional Comp

100 0.36611288 2614 Crandall # Arrow to Precedence Networ

101 0.35131952 2776 Chambers # Computer Networks in Highe

102 * 0.34660689 3068 Popek # A Model for Verification o

103 * 0.33798295 3111 Merkle # Secure Communications Over

104 0.33004837 2951 Mamrak # Dynamic Response Time Pred

105 0.31717058 2969 Morgan # Optimal Program and Data L

106 0.30267472 1261 Larsen # Modeling and Simulation of

107 0.30209452 2515 Corneil # Minimal Event-Node Network

108 0.30187313 2864 Madison # Characteristics of Program

```

109      0.29458811  1695 Dill      # PLEXUS-An On-Line System f
110 *    0.29306130  2372 Conway    # On the Implementation of S
111      0.29139158  1723 Fisher    # Computer Construction of P
112      0.28146492  2454 Buzen     # Computational Algorithms f
113 *    0.27973219  2870 Denning   # A Lattice Model of Secure
114      0.27316692  2621 Purdy     # A High Security Log-in Pro
115      0.27262397  2371 Walden    # A System for Interprocess
116      0.26819417  2581 Miller     # A Locally-Organized Parser
117
118
119 Show the terms that overlap between the query and retrieved docs (y/n): y
120 =====
121 Vector Overlap      9      1685 Docfreq
122 =====
123 network             14      135  90
124 system              5       5  728
125 =====
126 Vector Overlap      9      2949 Docfreq
127 =====
128 distribut           6       52 123
129 network            14      82  90
130 system             5       5  728
131 oper               4       8  381
132 =====
133 Vector Overlap      9      3158 Docfreq
134 =====
135 secur              9       46  31
136 network           14      32  90
137 =====
138 Vector Overlap      9      2197 Docfreq
139 =====
140 network            14      75  90
141 oper               4       2  381
142 =====
143 Vector Overlap      9      2614 Docfreq
144 =====
145 network            14      39  90
146
147 Continue (y/n)?
148 =====
149 Vector Overlap      9      2776 Docfreq
150 =====
151 consider           7       3  66
152 network           14      53  90
153 oper              4       2  381
154 =====
155 Vector Overlap      9      3068 Docfreq
156 =====
157 secur              9       51  31
158 system             5      16  728
159 oper               4      21  381
160 =====
161 Vector Overlap      9      3111 Docfreq
162 =====

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163  distribut          6          13  123
164  secur             9          83  31
165  network          14          14  90

```

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166  =====
167  Vector Overlap      9          2951  Docfreq
168  =====

```

```

169  network          14          60  90
170  system           5          17  728

```

```

171  =====
172  Vector Overlap      9          2969  Docfreq
173  =====

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```

174  distribut          6          13  123
175  network          14          32  90

```

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176
177  Continue (y/n)?
178  =====

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179  Vector Overlap      9          1261  Docfreq
180  =====

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```

181  network          14          28  90
182  system           5           1  728

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183
184
185
186
187  *****

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Documents Most Similar To Query number 22

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188
189  *****

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190  Similarity  Doc#  Author      Title
191  =====

```

```

192
193  *  0.41477337  2678 Wright      #  Visible Surface Plotting P
194  *  0.37730262  2751 Phong      #  Illumination for Computer
195  *  0.37114874  2384 Williamson #  Hidden-Line Plotting Progr
196  *  0.36280972  2473 Macleod    #  Hidden-Line Plotting Progr
197  *  0.32763273  2369 Matsushita #  Hidden Lines Elimination f
198  *  0.32255454  2564 Ellis      #  Hidden-Line Plotting Progr
199  *  0.32255454  2637 Ellis      #  Hidden-Line Plotting Progr
200  *  0.30906059  2441 Williamson #  Hidden-Line Plotting Progr
201  *  0.29602729  2638 Gaither    #  Hidden-Line Plotting Progr
202    0.26945738  2004 Bouknight  #  A Procedure for Generation
203  *  0.25912337  2827 Levin      #  A Parametric Algorithm for
204    0.24638178  1915 Galimberti  #  An Algorithm for Hidden Li
205  *  0.24533004  2829 Blinn       #  Texture and Reflection in
206    0.20927606  2913 Crow        #  The Aliasing Problem in Co
207  *  0.20421055  2828 Clark       #  Hierarchical Geometric Mod
208    0.19612527  52   Cook        #  An Efficient Method for Ge
209    0.18365510  88   Hicks       #  An Efficient Method for Ge
210    0.18066250  266  Robinson     #  Fitting Spheres by the Met
211    0.16421981  1978 Smith      #  The Use of Interactive Gra
212    0.16218509  2841 Clark      #  Designing Surfaces in 3-D

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213
214  Show the terms that overlap between the query and retrieved docs (y/n): y
215  =====

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216  Vector Overlap      22          2678  Docfreq

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217  =====
218  algorithm                1          2  1342
219  surfac                   9         32  33
220  graphic                  7         14  80
221  comput                   2          4  926
222  hidden                  20         20  17
223  line                     6         13  110
224  =====
225  Vector Overlap          22         2751  Docfreq
226  =====
227  algorithm                1          2  1342
228  surfac                   9         32  33
229  graphic                  7         29  80
230  comput                   2          9  926
231  hidden                  20         36  17
232  =====
233  Vector Overlap          22         2384  Docfreq
234  =====
235  algorithm                1          2  1342
236  surfac                   9         18  33
237  hidden                  20         36  17
238  line                     6         23  110
239  =====
240  Vector Overlap          22         2473  Docfreq
241  =====
242  algorithm                1          2  1342
243  surfac                   9         18  33
244  hidden                  20         36  17
245  line                     6         23  110
246  =====
247  Vector Overlap          22         2369  Docfreq
248  =====
249  graphic                  7         29  80
250  comput                   2          9  926
251  hidden                  20         41  17
252  line                     6         26  110
253
254  Continue (y/n)?
255  =====
256  Vector Overlap          22         2564  Docfreq
257  =====
258  algorithm                1          2  1342
259  hidden                  20         15  17
260  line                     6         10  110
261  =====
262  Vector Overlap          22         2637  Docfreq
263  =====
264  algorithm                1          2  1342
265  hidden                  20         15  17
266  line                     6         10  110
267  =====
268  Vector Overlap          22         2441  Docfreq
269  =====
270  algorithm                1          2  1342

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271 hidden                20      15  17
272 line                   6       10 110
273 =====
274 Vector Overlap         22      2638 Docfreq
275 =====
276 algorithm               1       2 1342
277 hidden                 20      15  17
278 line                   6       10 110
279 =====
280 Vector Overlap         22      2004 Docfreq
281 =====
282 algorithm               1       4 1342
283 surfac                 9      41  33
284 graphic                7      25  80
285 comput                 2      13 926
286 hidden                20      20  17
287 line                   6      13 110
288
289 Continue (y/n)?
290 =====
291 Vector Overlap         22      2827 Docfreq
292 =====
293 algorithm               1       4 1342
294 surfac                 9      77  33
295 graphic                7      14  80
296 comput                 2       4 926
297 hidden                20      26  17

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3.

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306 *****
307 Documents Most Similar To Document number 239
308 *****
309 Similarity  Doc#  Author      Title
310 =====
311
312 1.00000000  239  Verhoeff  # Inefficiency of the Use of
313 0.56849762  1032 Belzer    # Theoretical Considerations
314 0.21175483  2965 Hanani # An Optimal Evaluation of B
315 0.20784559  3168 Laird  # Comment on "An Optimal Eva
316 0.19699697  2160 Wong   # Canonical Structure in Att
317 0.18748378  3169 Gudes   # Note on "An Optimal Evalua
318 0.15633700  3012 Lucas  # The Use of an Interactive
319 0.15361459  3134 Motzkin # The Use of Normal Multipli
320 0.14880001  1207 Dodd   # Remarks on Simulation of B
321 0.14875752  1329 Mano    # Simulation of Boolean Func
322 0.14387306  1457 Salton   # Data Manipulation and Prog
323 0.14022802  891  Whitley   # Everyman's Information Ret
324 0.12823256  651  Grems     # A Survey of Languages and

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325	0.12480715	2278	Tan	#	On Foster's Information St
326	0.12107457	1699	Rubioff	#	Experimental Evaluation of
327	0.11682826	635	Baker	#	A Note on Multiplying Bool
328	0.11579026	275	Sams	#	Dynamic Storage Allocation
329	0.11437755	634	Salton	#	Manipulation of Trees in I
330	0.11216122	2345	Ashenhurst	#	Curriculum Recommendations
331	0.11032076	2516	Salasin	#	Hierarchical Storage in In
332	0.10784234	2140	Mullin	#	Retrieval-Update Speed Tra

333

334

335 *****

336 Documents Most Similar To Document number 1236

337 *****

338	Similarity	Doc#	Author	Title
339	=====	=====	=====	=====

340

341	1.00000000	1236	Salton	#	The SMART Automatic Docume
342	0.34964558	634	Salton	#	Manipulation of Trees in I
343	0.34598550	1699	Rubioff	#	Experimental Evaluation of
344	0.33443320	2711	Salton	#	A Vector Space Model for A
345	0.30467298	2307	Salton	#	Dynamic Document Processin
346	0.29321057	1457	Salton	#	Data Manipulation and Prog
347	0.27846861	2575	Van	#	The Best-Match Problem in
348	0.23597347	1681	Rubioff	#	Easy English,a Language fo
349	0.23453393	2990	Yu		
350	0.22245364	1032	Belzer	#	Theoretical Considerations
351	0.21166700	3012	Lucas	#	The Use of an Interactive
352	0.20299051	3134	Motzkin	#	The Use of Normal Multipli
353	0.17817917	2293	Jones	#	Comment on Average Binary
354	0.17475402	891	Whitley	#	Everyman's Information Ret
355	0.17474206	2140	Mullin	#	Retrieval-Update Speed Tra
356	0.16965934	1536	Lesk	#	Dynamic Computation of Der
357	0.16182354	1935	Arora	#	Randomized Binary Search T
358	0.16070823	1271	Davis	#	Secondary Key Retrieval Us
359	0.15524160	651	Grems	#	A Survey of Languages and
360	0.15418592	1680	Engvold	#	A General-Purpose Display
361	0.15371785	2157	Flores	#	Average Binary Search Leng

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364 *****

365 Documents Most Similar To Document number 2740

366 *****

367	Similarity	Doc#	Author	Title
368	=====	=====	=====	=====

369

370	1.00000000	2740	Lauesen	#	A Large Semaphore Based Op
371	0.31222130	1749	Dijkstra	#	The Structure of the "THE"
372	0.28679769	2379	Liskov	#	The Design of the Venus Op
373	0.27574815	2597	Hoare	#	Monitors: An Operating Sys
374	0.27110798	3043	Hansen	#	Distributed Processes: A C
375	0.26309867	2700	Lipton	#	Reduction: A Method of Pro
376	0.25401819	2618	Lamport	#	A New Solution of Dijkstra
377	0.24792167	2376	Habermann	#	Synchronization of Communi
378	0.24362829	2866	Howard	#	Proving Monitors

379	0.23251429	2500 Frailey	#	A Practical Approach to Ma
380	0.22777362	2228 Holt	#	Comments on Prevention of
381	0.22438410	2920 Devillers	#	Game Interpretation of the
382	0.22230500	2280 Parnas	#	Comment on Deadlock Preven
383	0.22161433	3128 Reed	#	Synchronization with Event
384	0.21423306	1611 Klein	#	Scheduling Project Network
385	0.21074517	2482 Howard	#	Mixed Solutions for the De
386	0.19534673	2080 Hansen	#	The Nucleus of a Multiprog
387	0.19258408	2320 Hansen	#	Structured Multiprogrammin
388	0.18766565	2777 Parnas	#	On a Solution to the Cigar
389	0.18088493	2738 Parnas	#	Use of the Concept of Tran
390	0.17666555	2378 Gaines	#	An Operating System Based

391

392

393

394