

Assignment #2: Imperative SQL

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Task 1 Connected Components

	Cluster ▾ ↕	paperID ▾ ↕	paperTitle ▾ ↕
1	3	8110	Understanding Skyrmions using Rational Maps
2	3	12215	Solitonic fullerene structures in light atomic nuclei
3	3	206160	Skyrmed Monopoles
4	3	210310	Homotopy of Rational Maps and the Quantization of Skyrmions
5	3	9904160	Spherically Symmetric Solutions of the SU(N) Skyrme Models
6	8	9611150	Dimensional Renormalization in ϕ^3 theory: ladders and rainbows
7	8	9612010	Weight Systems from Feynman Diagrams
8	8	9712140	Non-zeta knots in the renormalization of the Wess-Zumino model?
9	8	9805025	A dilogarithmic 3-dimensional Ising tetrahedron
10	8	9807125	How useful can knot and number theory be for loop calculations?
11	10	9507110	Calogero-Sutherland model from excitations of Chern-Simons vortices
12	10	9611185	A Nonrelativistic Chiral Soliton in One Dimension
13	10	9706080	Moving Frames Hierarchy and BF Theory
14	10	9709075	Chiral solitons from dimensional reduction of Chern-Simons gauged
15	10	9712255	Chiral solitons from dimensional reduction of Chern-Simons gauged
16	13	9508025	Quasiclassical QCD Pomeron
17	13	9511210	Modular Invariance and the Odderon
18	13	9611025	Direct solution of the hard pomeron problem for arbitrary conformal
19	13	9802100	Solution of the Odderon Problem
20	13	9805135	New Results on the Odderon in QCD
21	16	9212110	Three Dimensional Chern-Simons Theory as a Theory of Knots and Links ...
22	16	9312215	Knot invariants from rational conformal field theories
23	16	9401095	Chirality of Knots $9_{\{42\}}$ and $10_{\{71\}}$ and Chern-Simons Theory
24	16	9607030	Vassiliev Invariants for Links from Chern-Simons Perturbation Theory
25	16	9807155	Combinatorial Formulae for Vassiliev Invariants from Chern-Simons Gau...
26	16	9812105	Vassiliev Invariants in the Context of Chern-Simons Gauge Theory
27	39	304155	Exact String-like Solutions of the Gauged Nonlinear O(3) Model
28	39	9303080	Non-Abelian Chern-Simons Quantum Mechanics
29	39	9506015	Statistical Mechanics of Non-Abelian Chern-Simons Particles
30	39	9507015	Topological and Nontopological Solitons in a Gauged O(3) Sigma Model
31	39	9509135	Classical and Quantum Mechanics of Non-Abelian Chern-Simons Particles
32	39	9703185	N=2 Supersymmetric Gauged O(3) Sigma Model
33	39	9707150	Bogomolnyi Solitons and Hermitian Symmetric Spaces
34	39	9805010	On the Gauged Non-compact Spin System

35	76	7080	Relativistic scalar Aharonov-Bohm scattering
36	76	9402020	Perturbative Bosonic End Anyon Spectra and Contact Interactions
37	76	9411175	Aharonov-Bohm Scattering of a Localized Wave Packet: Analysis of the
38	76	9502105	FIELD THEORETICAL AND QUANTUM MECHANICAL DESCRIPTIONS OF COLLIDING AND
39	76	9510085	Calculation of the Aharonov-Bohm wave function
40	76	9603185	The Aharonov-Bohm scattering : the role of the incident wave
41	76	9703090	Perturbative Expansion in the Galilean Invariant Spin One-Half
42	76	9703200	The Low Energy Limit of the Chern-Simons Theory Coupled to Fermions
43	76	9710025	On the Nonrelativistic Limit of the Scattering of Spin One-half
44	76	9906170	Radiative Corrections to the Aharonov-Bohm Scattering

45	98	3255	Dimensional Transmutation and Dimensional Regularization in Quantum
46	98	5195	A differential equation approach for examining the subtraction schemes
47	98	9412050	Generalised Point Interactions for the Radial Schrodinger Equation via
48	98	9511010	The regulated four parameter one dimensional point interaction
49	98	9706070	Non-perturbative regularization and renormalization: simple examples
50	98	9904055	Finiteness following from underlying theory: a natural strategy
51	98	9906015	Two- and Three-particle States in a Nonrelativistic Four-fermion Model

Task 2 PageRank

	<input type="text"/> paperID <input type="text"/>	<input type="text"/> paperTitle <input type="text"/>	<input type="text"/> pagerankScore <input type="text"/>
1	9504090	Massless Black Holes and Conifolds in ...	0.014726301509516603
2	9510135	Bound States Of Strings And p-Branes	0.014445607362399008
3	9711200	The Large N Limit of Superconformal Fi...	0.01364692186768651
4	9802150	Anti De Sitter Space And Holography	0.009697437367889153
5	208020	Open strings and their symmetry groups	0.008631104362129568
6	9602065	D--branes and Spinning Black Holes	0.007717399373881783
7	9305185	Duality Symmetries of 4D Heterotic Str...	0.0075494287515570635
8	9611050	TASI Lectures on D-Branes	0.0071290325616886535
9	9501030	Strong/Weak Coupling Duality from the ...	0.005815174150217955
10	9602135	Entropy and Temperature of Black 3-Bra...	0.005415907568254707