

Sep 16, 14 11:49

csc710sbse:hw3:VivekNair:vnair2

Page 1/4

```

=====
Model Name: Schaffer
Searcher Name: SA Options Used: {'emax': '0', 'kmax': '1000'}
Data: 16/09/2014
5 RunNo: 1 RunTime: 1376.94907188 Score: 1.90308005981e-09
RunNo: 2 RunTime: 1372.86686897 Score: 1.71671530289e-06
RunNo: 3 RunTime: 1385.39409637 Score: 9.77940617671e-06
RunNo: 4 RunTime: 1363.25502396 Score: 1.98583740967e-09
RunNo: 5 RunTime: 1351.65500641 Score: 3.15536015768e-07
10 RunNo: 6 RunTime: 1387.30287552 Score: 3.73828565035e-07
RunNo: 7 RunTime: 1341.34411812 Score: 2.98130703422e-07
RunNo: 8 RunTime: 1358.45994949 Score: 1.36120317132e-08
RunNo: 9 RunTime: 1345.45111656 Score: 4.81338255948e-07
RunNo: 10 RunTime: 1359.86590385 Score: 5.52972977663e-07
15 RunNo: 11 RunTime: 1373.17013741 Score: 2.39362028364e-06
RunNo: 12 RunTime: 1365.17000198 Score: 2.77656185581e-08
RunNo: 13 RunTime: 1376.04689598 Score: 1.21159512388e-08
RunNo: 14 RunTime: 1376.1048317 Score: 5.37424147692e-08
RunNo: 15 RunTime: 1419.28482056 Score: 3.73851103763e-06
20 RunNo: 16 RunTime: 1357.62906075 Score: 1.51385072162e-06
RunNo: 17 RunTime: 1407.82499313 Score: 5.35941675677e-06
RunNo: 18 RunTime: 1371.33002281 Score: 2.25474698296e-07
RunNo: 19 RunTime: 1367.82598495 Score: 2.6306095176e-06
RunNo: 20 RunTime: 1388.06605339 Score: 2.62047658859e-08
25 [1.9030800598116657e-09, 1.716715302893832e-06, 9.779406176709477e-06, 1.9858374
096693284e-09, 3.15536015768307e-07, 3.738285650346739e-07, 2.981307034215138e-0
7, 1.3612031713203038e-08, 4.813382559479202e-07, 5.52972977663351e-07, 2.393620
283644168e-06, 2.77656185581338e-08, 1.211595123884272e-08, 5.3742414769249235e-
08, 3.738511037630752e-06, 1.5138507216182393e-06, 5.359416756774202e-06, 2.2547
46982957916e-07, 2.6306095176004476e-06, 2.6204765885884598e-08]
* | , 0.000000, 0.000000, 0.000000, 0.000000, 0.000002, 0.000005
=====
Model Name: Schaffer
30 Searcher Name: MaxWalkSat Options Used: {'threshold': '0.05', 'probLocalSearch'
: '0.25', 'maxChanges': '2000', 'maxTries': '50'}
Data: 16/09/2014
RunNo: 1 RunTime: 1320.88279724 Score: 0.00586245782918
RunNo: 2 RunTime: 1365.64302444 Score: 0.000670472037957
RunNo: 3 RunTime: 1324.83005524 Score: 0.00699513792987
35 RunNo: 4 RunTime: 1325.21891594 Score: 0.00433001814486
RunNo: 5 RunTime: 1328.1121254 Score: 9.11638421369e-05
RunNo: 6 RunTime: 1330.13510704 Score: 0.0328778610325
RunNo: 7 RunTime: 1396.52490616 Score: 0.00121409938656
RunNo: 8 RunTime: 1366.84989929 Score: 0.049310574757
40 RunNo: 9 RunTime: 1388.12398911 Score: 0.0308837400977
RunNo: 10 RunTime: 1348.51789474 Score: 0.00283894362161
RunNo: 11 RunTime: 1363.13605309 Score: 0.0304667047395
RunNo: 12 RunTime: 1368.06297302 Score: 0.0170385909002
RunNo: 13 RunTime: 1358.84094238 Score: 0.0415911675312
45 RunNo: 14 RunTime: 1369.6398735 Score: 0.00103188782028
RunNo: 15 RunTime: 1390.76209068 Score: 0.00245225736494
RunNo: 16 RunTime: 1358.91294479 Score: 0.0156310030173
RunNo: 17 RunTime: 1366.45102501 Score: 0.040054839822
RunNo: 18 RunTime: 1361.87696457 Score: 0.0026196832493
50 RunNo: 19 RunTime: 1340.52801132 Score: 0.0179183554043
RunNo: 20 RunTime: 1340.64292908 Score: 0.00815060229066
[0.005862457829177653, 0.0006704720379574839, 0.006995137929867469, 0.0043300181
448592675, 9.116384213691361e-05, 0.032877861032491434, 0.0012140993865594487, 0
.04931057475697607, 0.03088374009773348, 0.002838943621609643, 0.030466704739512
65, 0.017038590900187285, 0.04159116753124131, 0.0010318878202767439, 0.00245225
7364942177, 0.01563100301734258, 0.04005483982201849, 0.0026196832493042815, 0.0
17918355404299723, 0.008150602290661153]
- * | ----- , 0.001032, 0.002839, 0.008151, 0.030467, 0.041591
=====
Model Name: Fonseca
Searcher Name: SA Options Used: {'emax': '0', 'kmax': '1000'}
Data: 16/09/2014
RunNo: 1 RunTime: 651.077985764 Score: 0.0419534888819
60 RunNo: 2 RunTime: 648.839950562 Score: 0.0651074750783
RunNo: 3 RunTime: 647.619009018 Score: 0.163799157361
RunNo: 4 RunTime: 649.878978729 Score: 0.114464379835

```

Sep 16, 14 11:49

csc710sbse:hw3:VivekNair:vnair2

Page 2/4

```

RunNo: 5 RunTime: 645.64204216 Score: 0.204266163912
RunNo: 6 RunTime: 639.408826828 Score: -0.0140174822582
65 RunNo: 7 RunTime: 648.295164108 Score: 0.013417261435
RunNo: 8 RunTime: 648.04983139 Score: 0.127039295842
RunNo: 9 RunTime: 656.972885132 Score: 0.0525325242795
RunNo: 10 RunTime: 647.458076477 Score: 0.0566438879141
RunNo: 11 RunTime: 657.103061676 Score: 0.0402667573575
70 RunNo: 12 RunTime: 647.341012955 Score: 0.188910926348
RunNo: 13 RunTime: 644.497156143 Score: 0.151783773725
RunNo: 14 RunTime: 644.43898201 Score: 0.122726125002
RunNo: 15 RunTime: 654.121160507 Score: 0.0379367862929
RunNo: 16 RunTime: 665.339946747 Score: 0.124932732336
75 RunNo: 17 RunTime: 654.94799614 Score: 0.103151965521
RunNo: 18 RunTime: 695.8091259 Score: 0.0310111795994
RunNo: 19 RunTime: 657.23991394 Score: 0.158042979697
RunNo: 20 RunTime: 652.688026428 Score: 0.132403100141
[0.04195348888191571, 0.06510747507827658, 0.16379915736068615, 0.11446437983470
718, 0.204266163911738, -0.01401748225822393, 0.013417261434952787, 0.1270392958
4194878, 0.052532524279536905, 0.05664388791413312, 0.04026675735748615, 0.18891
092634762907, 0.15178377372525373, 0.12272612500242572, 0.03793678629287215, 0.1
2493273233641042, 0.10315196552136205, 0.031011179599395432, 0.1580429796969875,
0.13240310014102707]
80 -- | * ----- , 0.031011, 0.052533, 0.114464, 0.132403, 0.188911
=====
Model Name: Fonseca
Searcher Name: MaxWalkSat Options Used: {'threshold': '0.05', 'probLocalSearch'
: '0.25', 'maxChanges': '2000', 'maxTries': '50'}
85 Data: 16/09/2014
RunNo: 1 RunTime: 1082.47494698 Score: 0.0373453526213
RunNo: 2 RunTime: 922.782182693 Score: -0.0125309782223
RunNo: 3 RunTime: 659.284114838 Score: -0.00856406042771
RunNo: 4 RunTime: 814.288854599 Score: -0.0039421042086
90 RunNo: 5 RunTime: 679.716110229 Score: 0.0230594227192
RunNo: 6 RunTime: 662.416934967 Score: 0.0214269550768
RunNo: 7 RunTime: 686.342000961 Score: 0.0382242002491
RunNo: 8 RunTime: 698.376893997 Score: 0.00543440182751
RunNo: 9 RunTime: 672.694921494 Score: 0.0463375351383
95 RunNo: 10 RunTime: 719.115018845 Score: 0.0269364756895
RunNo: 11 RunTime: 853.468894958 Score: 0.0485447124469
RunNo: 12 RunTime: 686.365127563 Score: 0.0402351677697
RunNo: 13 RunTime: 629.322052002 Score: 0.0401438719005
RunNo: 14 RunTime: 701.623916626 Score: 0.0222890938211
100 RunNo: 15 RunTime: 680.032014847 Score: -0.00519934069733
RunNo: 16 RunTime: 731.384992599 Score: 0.0387283484501
RunNo: 17 RunTime: 661.950111389 Score: 0.0471690998975
RunNo: 18 RunTime: 752.955913544 Score: 0.0301684697522
RunNo: 19 RunTime: 778.366804123 Score: 0.0402660695382
105 RunNo: 20 RunTime: 899.95098114 Score: -0.00476181652541
[0.03734535262130383, -0.0125309782226201, -0.008564060427713393, -0.0039492104
20858154, 0.023059422719208574, 0.021426955076804376, 0.03822420024909044, 0.005
434401827513018, 0.04633753513828707, 0.026936475689495275, 0.048544712446923065
, 0.04023516776970584, 0.040143871900468635, 0.02228909382108752, -0.00519934069
7330404, 0.038728348450120416, 0.047169099897496486, 0.030168469752199063, 0.040
26606953823867, -0.004761816525411612]
-----| * --- , -0.005199, 0.021427, 0.030168, 0.040144, 0.047169
=====
Model Name: Kursawe
Searcher Name: SA Options Used: {'emax': '0', 'kmax': '1000'}
Data: 16/09/2014
RunNo: 1 RunTime: 16206.6791058 Score: -0.0400351857037
RunNo: 2 RunTime: 16817.8071976 Score: 0.00470390137354
115 RunNo: 3 RunTime: 15851.7158031 Score: -0.0347784663656
RunNo: 4 RunTime: 15429.022789 Score: 0.00852886995295
RunNo: 5 RunTime: 15877.3710728 Score: -0.00466871597172
RunNo: 6 RunTime: 15409.1801643 Score: -0.0339601519916
RunNo: 7 RunTime: 15372.5910187 Score: -0.0313775327841
120 RunNo: 8 RunTime: 15351.2551785 Score: -0.0115262878815
RunNo: 9 RunTime: 15510.4031563 Score: -0.013970910364
RunNo: 10 RunTime: 15346.2069035 Score: -0.0405656078434
RunNo: 11 RunTime: 15480.5459976 Score: -0.00376235374809
RunNo: 12 RunTime: 15397.0649242 Score: -0.00703036121401

```

Sep 16, 14 11:49		csc710sbse:hw3:VivekNair:vnair2		Page 3/4
125	RunNo: 13 RunTime: 15179.8739433 Score: -0.00137694842792			
	RunNo: 14 RunTime: 15328.8249969 Score: -0.0238634589188			
	RunNo: 15 RunTime: 15314.540863 Score: -0.0380028154922			
	RunNo: 16 RunTime: 15095.5688953 Score: -0.00436220530017			
	RunNo: 17 RunTime: 15203.6659718 Score: -0.00560074225093			
130	RunNo: 18 RunTime: 15747.0631599 Score: -0.0412257528418			
	RunNo: 19 RunTime: 16611.0260487 Score: -0.0387627647954			
	RunNo: 20 RunTime: 15525.2649784 Score: -0.00260432940614			
	[-0.040035185703675341, 0.0047039013735385776, -0.034778466365621888, 0.00852886			
	99529454063, -0.0046687159717185471, -0.033960151991587764, -0.0313775327840684,			
	-0.011526287881477458, -0.013970910363973825, -0.040565607843351274, -0.0037623			
	537480923393, -0.0070303612140147015, -0.0013769484279245745, -0.023863458918782			
	051, -0.038002815492205064, -0.0043622053001658731, -0.0056007422509255517, -0.0			
	41225752841750618, -0.038762764795434293, -0.0026043294061379508]			
	--- * -----, -0.040035, -0.033960, -0.011526, -0.004362, 0.004			
	704			
135	=====			
	Model Name: Kursawe			
	Searcher Name: MaxWalkSat Options Used: {'threshold': '0.05', 'probLocalSearch':			
	: '0.25', 'maxChanges': '2000', 'maxTries': '50'}			
	Data: 16/09/2014			
140	RunNo: 1 RunTime: 15576.8110752 Score: 0.0353789937321			
	RunNo: 2 RunTime: 15621.0858822 Score: -0.0464603511621			
	RunNo: 3 RunTime: 15269.6568966 Score: 0.00384087051454			
	RunNo: 4 RunTime: 15233.4308624 Score: 0.0491661010567			
	RunNo: 5 RunTime: 15210.4051113 Score: 0.0417397961658			
145	RunNo: 6 RunTime: 15552.5839329 Score: 0.0419413492599			
	RunNo: 7 RunTime: 15703.4869194 Score: 0.02211483713			
	RunNo: 8 RunTime: 15679.4269085 Score: -0.00314869827434			
	RunNo: 9 RunTime: 15159.9271297 Score: 0.0283815642467			
	RunNo: 10 RunTime: 15565.048933 Score: 0.0105129956968			
150	RunNo: 11 RunTime: 15542.206049 Score: 0.0148351755961			
	RunNo: 12 RunTime: 15552.5591373 Score: 0.0416362045322			
	RunNo: 13 RunTime: 15602.7190685 Score: 0.0447526875326			
	RunNo: 14 RunTime: 15605.2191257 Score: 0.0438802681277			
	RunNo: 15 RunTime: 15728.9819717 Score: 0.0490883133213			
155	RunNo: 16 RunTime: 15755.3408146 Score: 0.0497445416382			
	RunNo: 17 RunTime: 15766.1249638 Score: 0.0316673605511			
	RunNo: 18 RunTime: 15843.1708813 Score: -0.0123047265239			
	RunNo: 19 RunTime: 15767.8160667 Score: 0.0378896698599			
	RunNo: 20 RunTime: 15697.2138882 Score: 0.0262392433297			
160	[0.035378993732148839, -0.046460351162086126, 0.0038408705145370667, 0.049166101			
	056662956, 0.041739796165772045, 0.041941349259924918, 0.022114837129971174, -0.			
	0031486982743436031, 0.028381564246700287, 0.010512995696847402, 0.0148351755961			
	44681, 0.041636204532223442, 0.044752687532553195, 0.043880268127731055, 0.04908			
	8313321339588, 0.049744541638235495, 0.031667360551123395, -0.012304726523887232			
	, 0.037889669859904003, 0.026239243329662761]			
	- ----- *-- , -0.003149, 0.022115, 0.035379, 0.041941, 0.049166			
	=====			
	Model Name: ZDT1			
165	Searcher Name: SA Options Used: {'emax': '0', 'kmax': '1000'}			
	Data: 16/09/2014			
	RunNo: 1 RunTime: 9966.63689613 Score: 0.607349263331			
	RunNo: 2 RunTime: 9933.59899521 Score: 0.690283169167			
	RunNo: 3 RunTime: 9942.14200974 Score: 0.641601953363			
170	RunNo: 4 RunTime: 9981.29606247 Score: 0.922825805241			
	RunNo: 5 RunTime: 9957.89313316 Score: 0.750096244953			
	RunNo: 6 RunTime: 9963.04512024 Score: 0.789730458693			
	RunNo: 7 RunTime: 9958.5340023 Score: 0.784473698789			
	RunNo: 8 RunTime: 9978.54208946 Score: 0.6304449494			
175	RunNo: 9 RunTime: 9940.41800499 Score: 0.716262424352			
	RunNo: 10 RunTime: 9963.46998215 Score: 0.601679450232			
	RunNo: 11 RunTime: 10086.6520405 Score: 0.870368925988			
	RunNo: 12 RunTime: 9970.98112106 Score: 0.725674756766			
	RunNo: 13 RunTime: 9943.09306145 Score: 0.613517831442			
180	RunNo: 14 RunTime: 10149.8432159 Score: 0.741182835881			
	RunNo: 15 RunTime: 10081.1738968 Score: 0.832217709177			
	RunNo: 16 RunTime: 10054.1470051 Score: 0.828557912536			
	RunNo: 17 RunTime: 10131.9639683 Score: 0.774364831697			
	RunNo: 18 RunTime: 12141.2899494 Score: 0.648476348908			
185	RunNo: 19 RunTime: 11066.9779778 Score: 0.750806113764			

Sep 16, 14 11:49	csc710sbse:hw3:VivekNair:vnair2	Page 4/4
190	RunNo: 20 RunTime: 10097.2750187 Score: 0.812234101483 [0.6073492633313532, 0.69028316916722188, 0.64160195336270898, 0.922825805241138 22, 0.75009624495308269, 0.78973045869287339, 0.78447369878892437, 0.63044494940 031637, 0.71626242435200149, 0.60167945023173908, 0.87036892598787463, 0.7256747 5676586235, 0.61351783144211991, 0.74118283588102796, 0.83221770917726723, 0.828 55791253584432, 0.77436483169747494, 0.6484763489076576, 0.75080611376355433, 0. 81223410148316566] -- *-- , 0.613518, 0.690283, 0.750096, 0.789730, 0.870369 =====	
195	Model Name: ZDT1 Searcher Name: MaxWalkSat Options Used: {'threshold': '0.05', 'probLocalSearch': : '0.25', 'maxChanges': '2000', 'maxTries': '50'} Data: 16/09/2014 RunNo: 1 RunTime: 22921.0500717 Score: 0.930585616737	
200	RunNo: 2 RunTime: 23222.4369049 Score: 0.964847940098 RunNo: 3 RunTime: 23205.575943 Score: 0.937002356648 RunNo: 4 RunTime: 23109.3831062 Score: 0.928550078793 RunNo: 5 RunTime: 22652.739048 Score: 0.849983567477 RunNo: 6 RunTime: 23080.9340477 Score: 1.10044916546 RunNo: 7 RunTime: 23071.1991787 Score: 0.962791557655 RunNo: 8 RunTime: 23113.5718822 Score: 0.935928287197 RunNo: 9 RunTime: 23001.1708736 Score: 1.01864395945 RunNo: 10 RunTime: 22865.9648895 Score: 0.992306513527 RunNo: 11 RunTime: 22906.1307907 Score: 0.92393461202	
205	RunNo: 12 RunTime: 22826.3959885 Score: 0.96421720291 RunNo: 13 RunTime: 22823.127985 Score: 0.936388553651 RunNo: 14 RunTime: 22804.6159744 Score: 1.00471185381 RunNo: 15 RunTime: 22861.2191677 Score: 0.997554176763 RunNo: 16 RunTime: 22875.3318787 Score: 1.03570759838 RunNo: 17 RunTime: 22950.1819611 Score: 0.902242342999 RunNo: 18 RunTime: 23528.9850235 Score: 1.12452522357 RunNo: 19 RunTime: 22931.5419197 Score: 1.01377412646 RunNo: 20 RunTime: 23385.7808113 Score: 0.929131305772 [0.93058561673687312, 0.96484794009783725, 0.93700235664800779, 0.92855007879272 322, 0.84998356747669168, 1.1004491654606665, 0.96279155765463131, 0.93592828719 732513, 1.0186439594520553, 0.99230651352714294, 0.92393461202015714, 0.96421720 29104773, 0.9363885536513491, 1.0047118538071662, 0.99755417676339209, 1.0357075 983823567, 0.90224234299889161, 1.1245252235685452, 1.0137741264566535, 0.929131 305771697] *-- , 0.923935, 0.935928, 0.964217, 1.004712, 1.100449 =====	
215		