	A	B	C	D	E	F	G	H
1 2	$\int_0^1\int_0^1 F(x,y)\cdot dx\cdot dy$		$F(x,y)=e^{-(x+y)}$		$\int_0^1\int_0^1 e^{-(x+y)}\cdot dx\cdot dy = e^{-2}-2\cdot e^{-1}+1=0.3995$			
3	*MONTE CARLO INTEGRATION:*					Exact:	0.399576	
4	*PSEUDO RANDOM PAIRS vs. QUASI RANDOM VECTORS*							
5				*Quasi MC:*		*Pseudo MC:*		
6	vector samples:		100	0.4117886		0.428336253		
7			Relative Error	3.06%		7.20%		
8								
9				*Quasi MC:*		*Pseudo MC:*		
10	vector samples:		500	0.4000376		0.406940402		
11			Relative Error	0.12%		1.84%		
12		*Quasi (X,Y) Correlation:*		*0.018339*		*Pseudo (X,Y) Correlation:*		*0.037562358*
13		**QUASI RANDOM VECTOR**				**PSEUDO RANDOM NUMBERS**		
14	*vector#*	x	y	**F(x,y)**		x	y	**F(x,y)**
15	*1*	0.67177038	0.53486069	0.2992036		0.043135228	0.142444	0.830623108
16	*2*	0.47790293	0.25660195	0.4797429		0.122860629	0.199302	0.724580636
17	*3*	0.82104868	0.32839872	0.3168118		0.376960144	0.13651	0.598415249
18	*4*	0.95308304	0.13601985	0.3365183		0.03428155	0.104961	0.870017162
19	*5*	0.75416495	0.10131764	0.425078		0.827702327	0.841047	0.188482728
20	*6*	0.54897074	0.91685598	0.230887		0.768576648	0.672104	0.236766432
21	*7*	0.76931685	0.37064805	0.3198302		0.561854638	0.422223	0.373783792
22	*8*	0.56621468	0.90277287	0.2301584		0.102067503	0.290219	0.675510495
23	*9*	0.70835031	0.22328095	0.3939106		0.214283086	0.313902	0.589674141
24	*10*	0.95604163	0.17587684	0.3224141		0.439915903	0.155985	0.551065828
25	*11*	0.10950401	0.40258783	0.5992408		0.833511764	0.000595	0.434262316
26	*12*	0.33280871	0.89623688	0.2925717		0.906901057	0.048981	0.384472775
27	*13*	0.1276145	0.71177523	0.4319741		0.921268872	0.569109	0.225287504
28	*14*	0.38663258	0.57057403	0.383964		0.285758527	0.920817	0.299220327
29	*15*	0.98966296	0.82444011	0.162984		0.558981861	0.464889	0.35920176
30	*16*	0.90849388	0.65129913	0.2101796		0.690138666	0.248631	0.391108811
31	*17*	0.72263566	0.16934085	0.4098449		0.474953716	0.011617	0.614730929
32	*18*	0.696157	0.99380753	0.1845261		0.330755193	0.189958	0.594096679
33	*19*	0.58259208	0.56541925	0.3172671		0.54622236	0.680494	0.293253984
34	*20*	0.44341504	0.28476817	0.4827853		0.173994784	0.318606	0.611035436
35	*21*	0.75712354	0.14117463	0.4072622		0.410972497	0.324885	0.479094422
36	*22*	0.08093331	0.51046803	0.553551		0.863821781	0.970306	0.159752742
37	*23*	0.04348683	0.49877726	0.5814304		0.019708105	0.185678	0.814332721
38	*24*	0.58345863	0.88868976	0.229432		0.810099985	0.758075	0.208425139
39	*25*	0.05062951	0.97180721	0.3597173		0.180872974	0.548342	0.482287488
40	*26*	0.16628647	0.11678197	0.7534682		0.153940722	0.497504	0.521292338
41	*27*	0.27393421	0.46545626	0.4774048		0.08371189	0.554939	0.528004453
42	*28*	0.77227544	0.41050504	0.3064255		0.121254206	0.466784	0.555415585
43	*29*	0.86267924	0.77326244	0.1947689		0.606375566	0.009123	0.540371269
44	*30*	0.30337146	0.68084657	0.3737314		0.479778884	0.138183	0.539041991
45	*31*	0.4698937	0.46030149	0.3944767		0.45452669	0.834637	0.275501059
46	*32*	0.81809009	0.28854173	0.3306708		0.856019763	0.283202	0.320067891
47	*33*	0.0535881	0.0116642	0.9368311		0.781520935	0.05477	0.433314874
48	*34*	0.1124626	0.44244482	0.5741254		0.706892372	0.495286	0.300538689
49	*35*	0.81599805	0.57195525	0.2495856		0.577282851	0.595428	0.309526638

	A	B	C	D	E	F	G	H
50	36	0.50734018	0.47199226	0.3755617		0.060502496	0.51826	0.560591633
51	37	0.37739787	0.3809576	0.4684362		0.800534979	0.576829	0.252242608
52	38	0.44846568	0.04121164	0.6128241		0.563019898	0.737931	0.272272792
53	39	0.8891579	0.94879576	0.1591428		0.268271291	0.221428	0.612810667
54	40	0.88201522	0.47576581	0.2572309		0.751327229	0.762384	0.220091706
55	41	0.32270745	0.38334994	0.4935864		0.943856934	0.199612	0.318711418
56	42	0.42826314	0.01543776	0.6416573		0.418452757	0.922898	0.261492229
57	43	0.43627237	0.81173822	0.2870753		0.66930234	0.557446	0.29324468
58	44	0.41902843	0.82582133	0.2879842		0.81536495	0.923022	0.175803682
59	45	0.71758502	0.41289738	0.3228775		0.132017028	0.900284	0.356186339
60	46	0.62508919	0.33355349	0.3834129		0.027530203	0.115615	0.866628102
61	47	0.79161143	0.11300841	0.4046957		0.34821729	0.679792	0.357718481
62	48	0.9631843	0.64890679	0.1994701		0.753832594	0.876519	0.195860629
63	49	0.92155374	0.20404306	0.3244588		0.009614778	0.471648	0.618002431
64	50	0.00690691	0.810357	0.4416384		0.051785618	0.913263	0.380964588
65	51	0.29918738	0.24767361	0.5787637		0.47219447	0.499325	0.378507659
66	52	0.89211649	0.98865275	0.1524728		0.823376273	0.907723	0.177089599
67	53	0.62718123	0.05013997	0.5079759		0.768474018	0.804982	0.207327315
68	54	0.04853747	0.25522073	0.7380393		0.722852185	0.272931	0.369434163
69	55	0.18648901	0.14255585	0.7196107		0.581964505	0.079035	0.516335199
70	56	0.91354452	0.4077426	0.2667917		0.322080115	0.892056	0.296966392
71	57	0.21087562	0.60150268	0.4438013		0.917663739	0.358367	0.279142979
72	58	0.60993729	0.06422308	0.5095841		0.677576049	0.609243	0.276147905
73	59	0.54601215	0.87699899	0.2409873		0.837380203	0.564372	0.246165193
74	60	0.9480324	0.37957638	0.2651104		0.479332855	0.929239	0.244492224
75	61	0.82523276	0.76157167	0.2045783		0.587059112	0.059484	0.523853577
76	62	0.39673385	0.08346097	0.6186629		0.789032467	0.719548	0.221223896
77	63	0.1561852	0.60389502	0.4676289		0.34749156	0.736838	0.338128328
78	64	0.35005266	0.88215377	0.2916484		0.918617676	0.98501	0.149027032
79	65	0.76722481	0.65406157	0.2414033		0.228498763	0.260778	0.613069443
80	66	0.36224596	0.11162719	0.6225862		0.429758882	0.302523	0.480810428
81	67	0.01910021	0.03983042	0.9427722		0.628754122	0.105607	0.479811997
82	68	0.74197164	0.87184422	0.1991263		0.988501778	0.07009	0.346943922
83	69	0.11037056	0.72585834	0.4333416		0.316405422	0.011275	0.720593391
84	70	0.72977833	0.6423708	0.2535614		0.34007897	0.160703	0.606056577
85	71	0.00899895	0.52694348	0.5851176		0.315604202	0.290403	0.545524431
86	72	0.55820546	0.10647241	0.5144392		0.051328316	0.785466	0.433096653
87	73	0.0973107	0.17311441	0.763055		0.787198739	0.617212	0.245511594
88	74	0.72768629	0.92578432	0.1913845		0.253566558	0.156296	0.663741258
89	75	0.4261711	0.29885128	0.4843137		0.011826383	0.301407	0.731079533
90	76	0.13894126	0.61797814	0.4691093		0.537246311	0.35136	0.411228385
91	77	0.81390601	0.85536877	0.1883836		0.615363648	0.310664	0.396124305
92	78	0.86686332	0.2064354	0.3418789		0.358057812	0.863525	0.294763288