$$I = \int_0^1 e^x dx = e - 1$$

	$I = \int_0^1 e^x dx$		$I = \int_0^{\frac{3}{2}} \frac{e^{-1+\sqrt{1+2y}}}{\sqrt{1+2y}} dy$	
N	**I^1**	**$\sigma_N{}^1$**	**I^1**	**$\sigma_N{}^1$**
10	1.78833	0.15294	1.80129	0.04020
100	1.70869	0.05002	1.72632	0.01038
1000	1.72353	0.01550	1.71543	0.00348
10 000	1.72358	0.00491	1.71747	0.00109
100 000	1.71991	0.00155	1.71787	0.00034
1 000 000	1.71824	0.00049	1.71830	0.00010
10 000 000	1.71818	0.00015	1.71838	0.00003
Exact	1.7182818			

[1] Particular value depends on the random numbers generator.

Distribution of integral values