

For exponential: MLE = mom, so $\bar{x} = \hat{\theta}$, $\bar{x} = 100 = \hat{\theta}$

$$F(x) = 1 - e^{-\frac{x}{100}}$$

x	$F_n(x)$	$F(x)$	$\max F(x) - F_n(x) $
29	0, .2	.2517	.2517
64	.2, .4	.4727	.2727
90	.4, .6	.5934	.1934
135	.6, .8	.7408	.1408
182	.8, 1	.8380	.1620

The highest value is .2727

E