Theoretical maximum speedup, Amdahl's quantity:

$$\frac{1}{1 - P + \frac{P}{N}}$$

P: fraction of the program that can be parallelized

N: number of parallel processors

As $N \to \infty$:

$$\frac{1}{1 - P}$$

So if 99% of the program can be parallelized, theoretically we could have a 100-fold speedup.