

Exercise Sheet

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100 CPU cores

0.4% serial code

$$\begin{aligned} S(p, N) &= \frac{1}{f + \frac{1-f}{p}} \\ &= \frac{1}{0.004 + \frac{0.996}{100}} \\ &= 71.633 \end{aligned}$$

The maximum speed-up that can be obtained is 71.633.