# Computational complexity

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We know that at least one of the inclusions below is proper:

$$\mathsf{L} \overset{?}{\subset} \mathsf{P} \overset{?}{\subset} \mathsf{NP} \overset{?}{\subset} \mathsf{PSPACE} \tag{1}$$

but we don't have a proof for any of them [**Moore2011**].

A more detailed relationship between complexity classes:



$$\tag{2}$$