

## **Basic task**

I believe the most important basic task, before creating competition between learning agents in the virtual reinforcement learning environments, is the task of compressing knowledge sources like Wikipedia (text, images, audio and video).

In other words, consider an example of such task for text compression: given  $N$  words of some source, the task is to predict following  $M$  words, where  $N \gg M$ .

The agent might be allowed access to its internal long-term (and short-term memory), and potentially to all knowledge sources except the missing piece (and its surrounding) that is to be predicted.

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## **Human's helping hand in educating AI**

If 10 million humans will create 100 different tasks for the AI, there will be an enormous dataset of 1 billion tasks. A big number here is essential to avoid overfitting.

Imagine that we are given an opportunity to educate one big AI all together using mobile/online app.