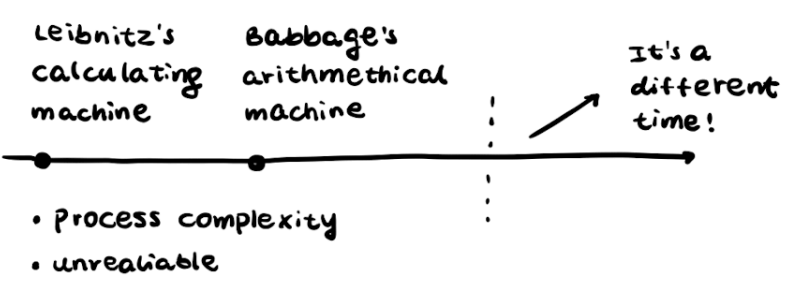


science → a record of ideas  
↳ knowledge → evolving

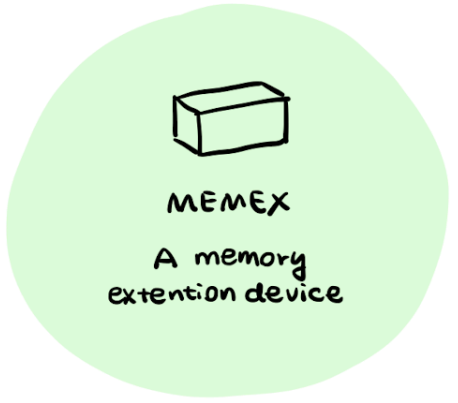
- ↑ Research quantity
- ↑ specialization
- ↑ summation of human experience
- x means of "threading" through consequential events

"Significant attainments → loss in the mass of the inconsequential"

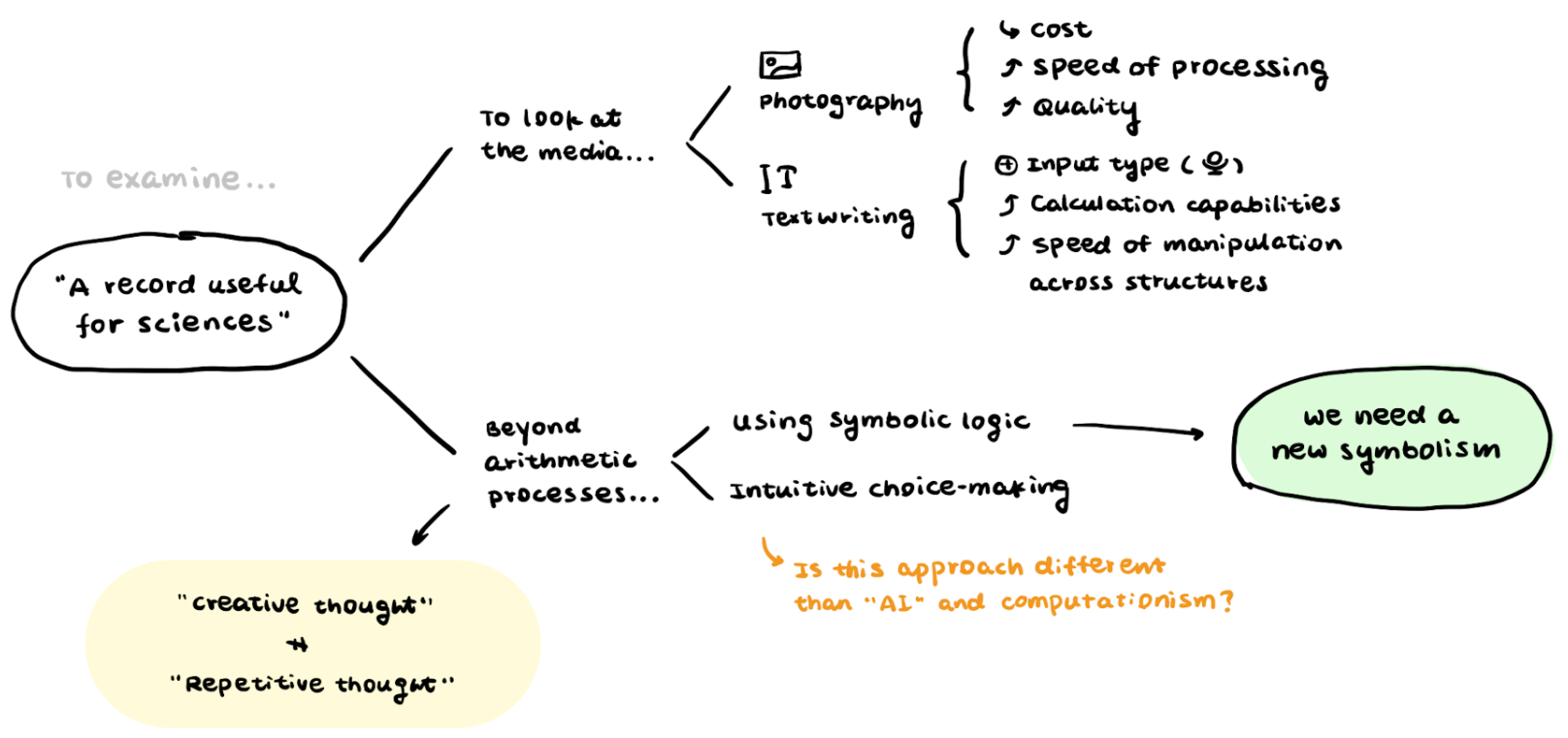
Mechanical transformations of scientific records



AS WE MAY THINK



"Microfilm" storage-disappeared!



that represents more than...  
mathematical logic  
↓  
Application of logic in everyday affairs  
↓  
"selection"  
manipulation of ideas + insertion into records  
↓  
"Profiting by inheritance of acquired knowledge"

- |                      |  |
|----------------------|--|
| <u>Achieved</u>      | <u>Partially achieved</u>                        |
| Q Search by keywords | ↳ Associative indexing                           |
| ↳ Skim through       | • Manual associations across materials + formats |
| ↳ Multi-view         | ⊕ Multi-sensory input + output                   |
| ↳ ⊕ Notes/comments   |  |

Activities

- Processing a large set of items
- Identify items w/ similar characteristics

Challenge

Hierarchical indexing vs. associations  
mechanically efficient      Flexible, Brain-like