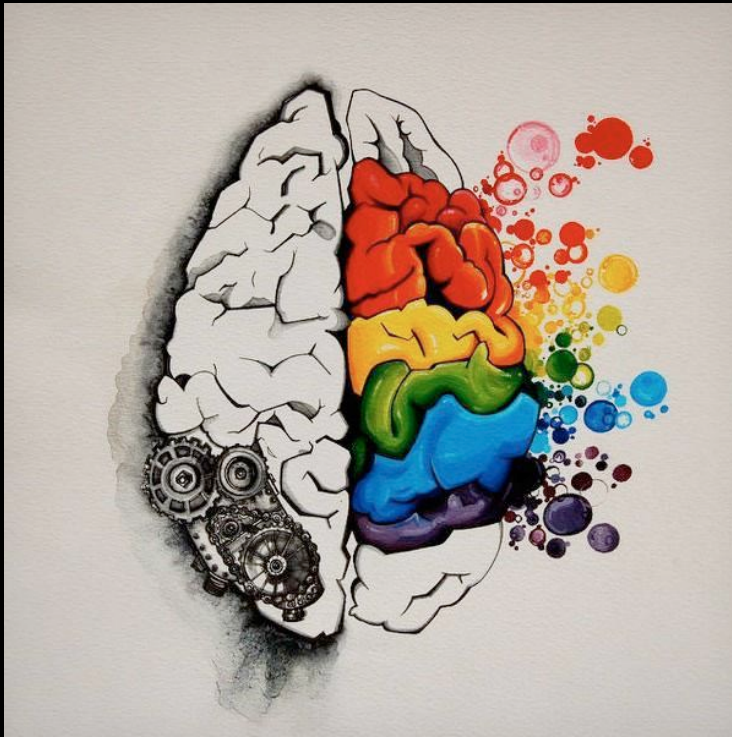


TOTAL RECALL

IMPLICIT LEARNING AS A
CRYPTOGRAPHIC PRIMITIVE

TESS SCHRÖDINGER



- **INTRODUCTION**
- **CURRICULUM VITAE**
- **COGNITIVE MEMORY**
- **CONSCIOUSNESS**
- **SUB CONSCIOUSNESS**

PERCEIVED REALITY

Conscious

Subconscious

Unconscious

HUMAN PSYCHE

**SEA OF
UNIVERSAL CONSCIOUSNESS**

Thoughts & Perceptions

Memories & Stored Knowledge

SUBCONSCIOUS

Fears

Violent Motives

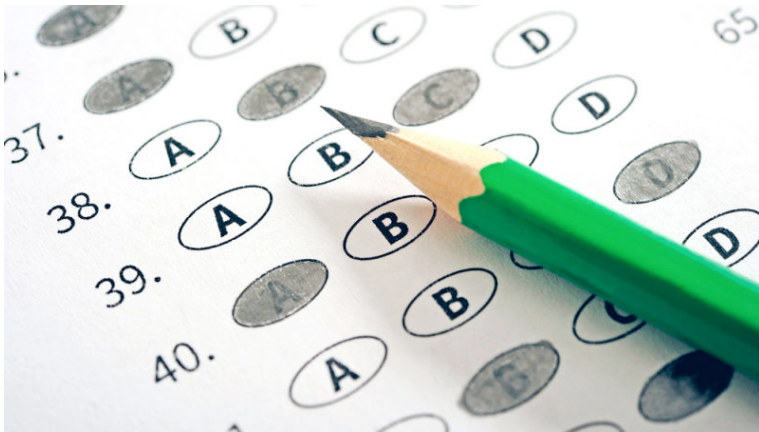
Unacceptable Sexual Desires

Irrational Wishes

Immoral Urges

Shameful Experiences

Selfish Needs



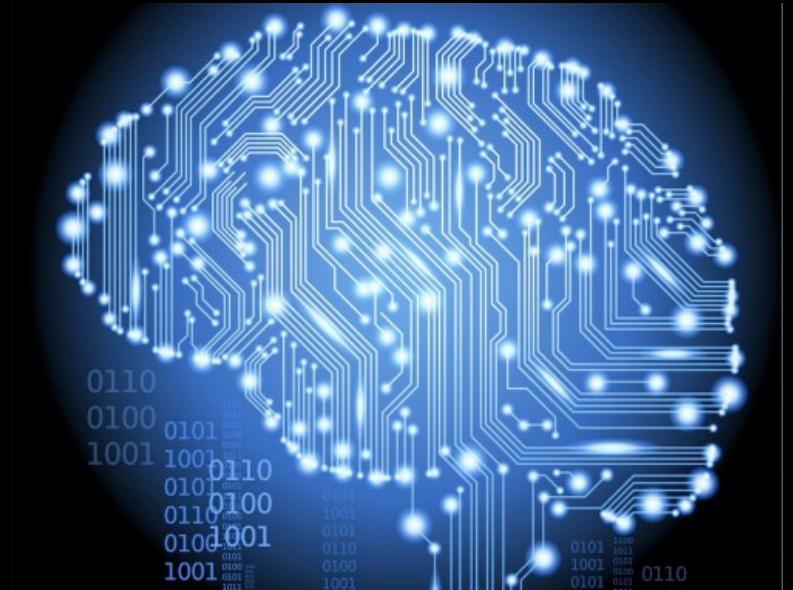
EXPLICIT MEMORY

- EPISODIC
- SEMANTIC

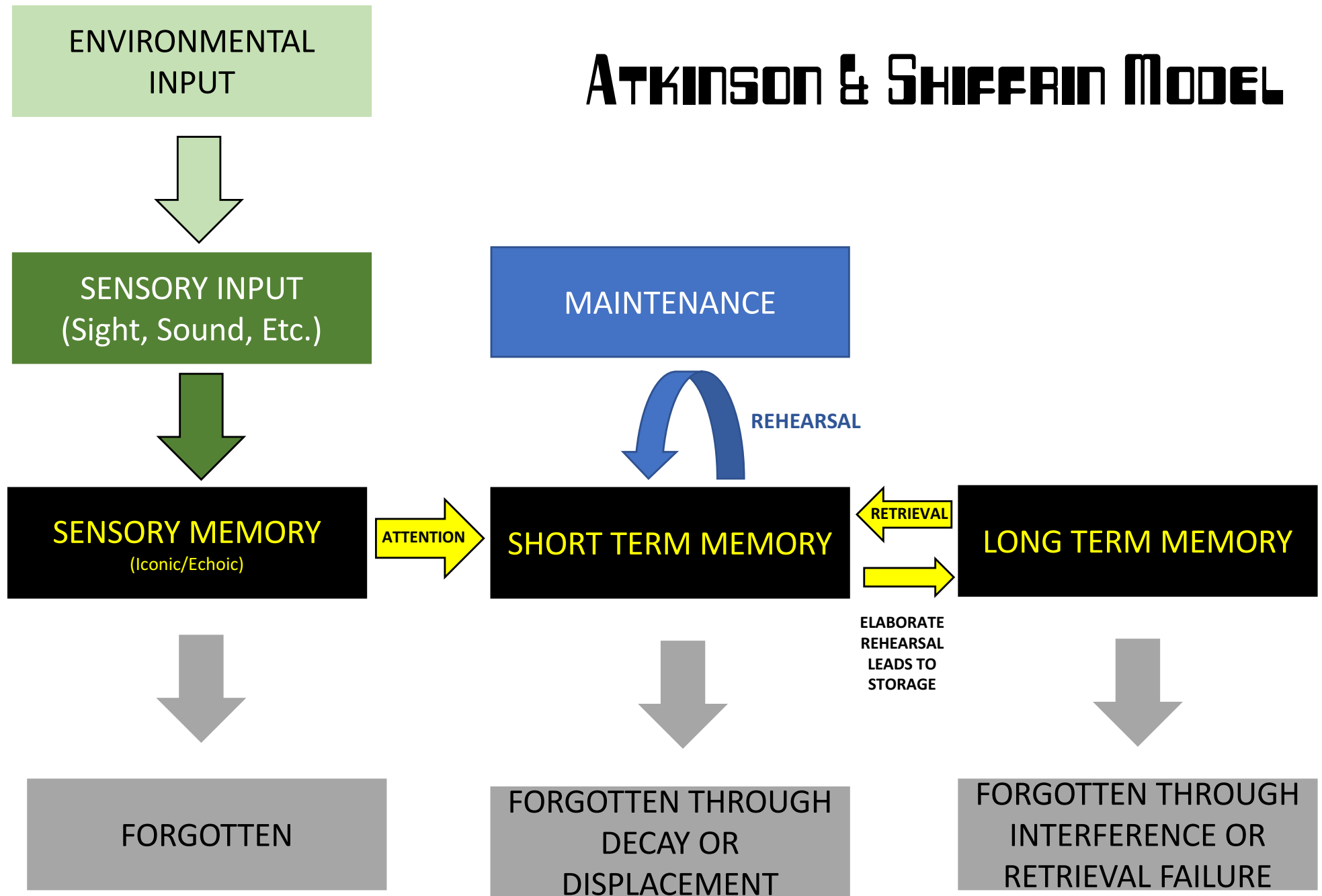
IMPLICIT MEMORY

STAGES OF MEMORY

- **ENCODING**
- **STORAGE**
- **RETRIEVAL**
 - **CONTEXT, ASSOCIATE, MOOD**



ATKINSON & SHIFFRIN Model



PASSWORDS & HUMAN MEMORY LIMITATIONS

NUMBER OF NEURONS

1 BILLION

Number of connections each
Neurons forms with other neurons

1,000

Resultant number of connections

1 TRILLION

Total Brain Memory Storage Capacity

*2.5 petabytes
(A million gigabytes)*

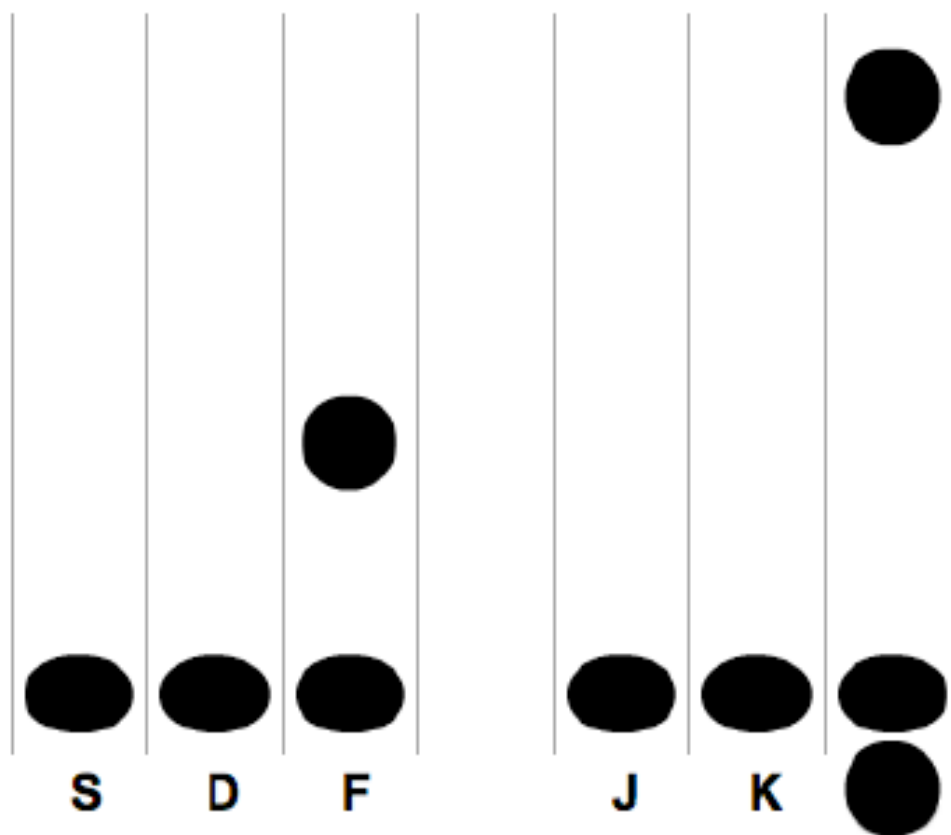
Around 3 million hours of TV shows.



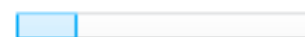
CURRENT RESEARCH

“NEUROSCIENCE MEETS CRYPTOGRAPHY”



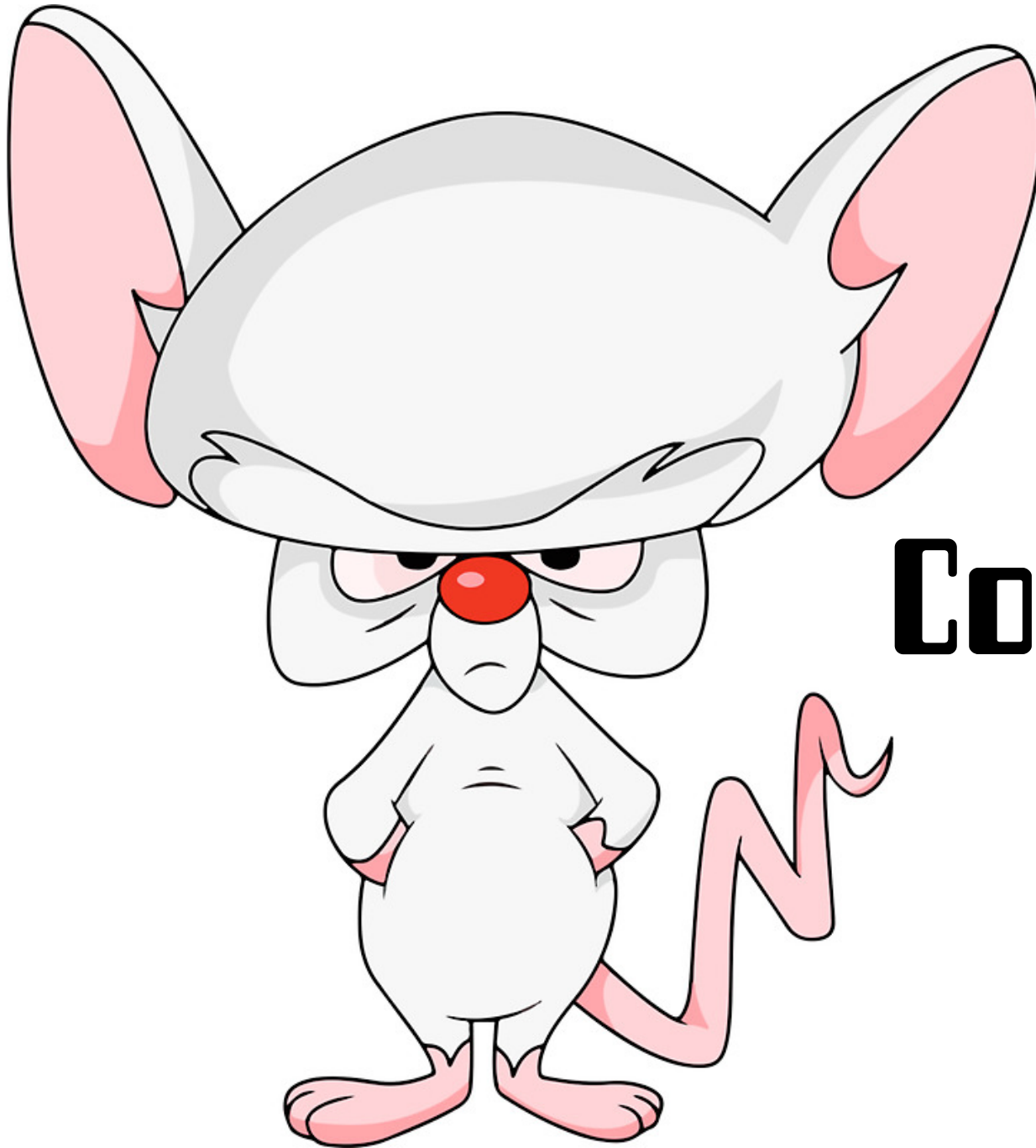


Progress This Section



Score **425**

Streak **0**



CONCLUSIONS



QUESTIONS