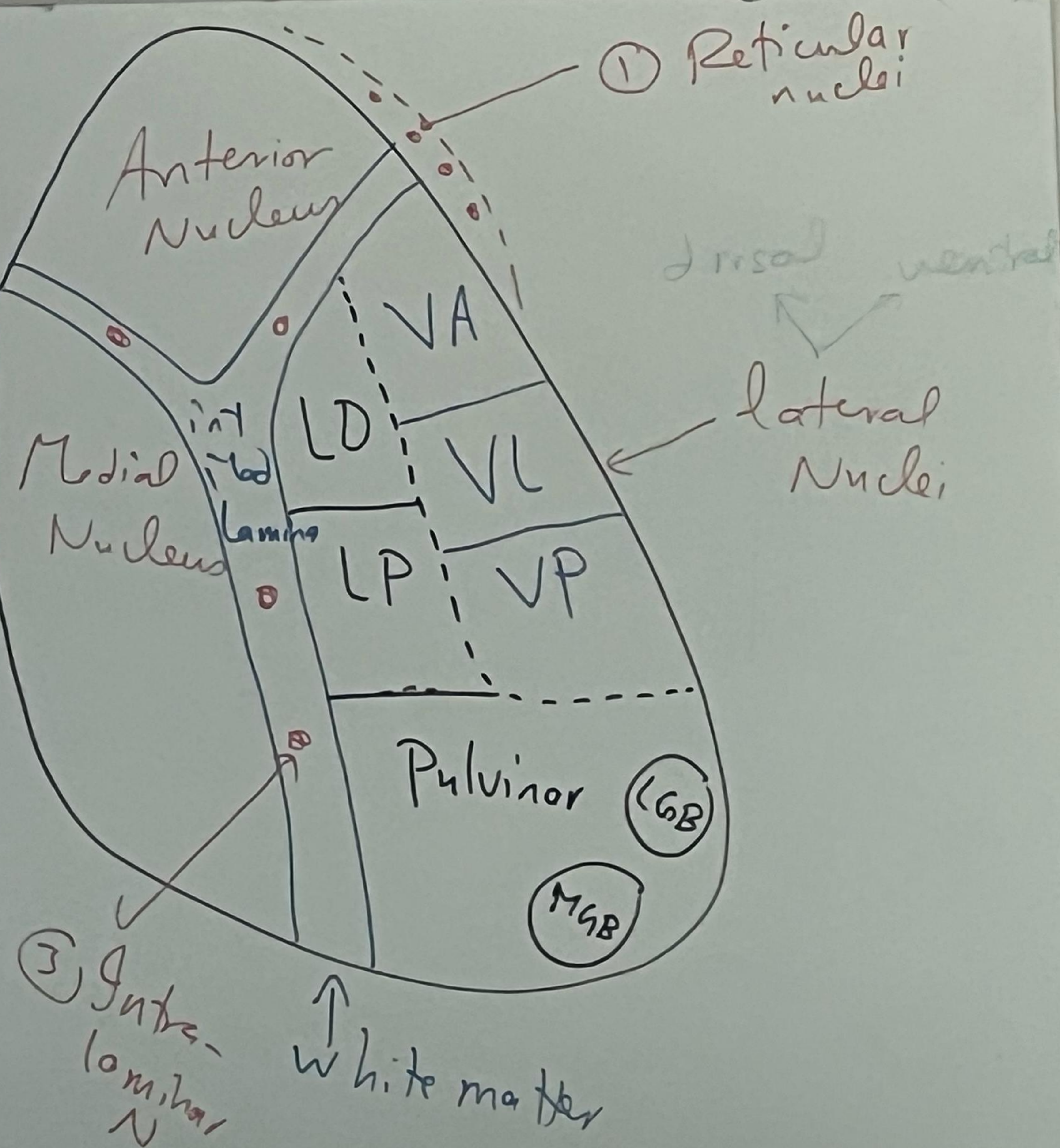
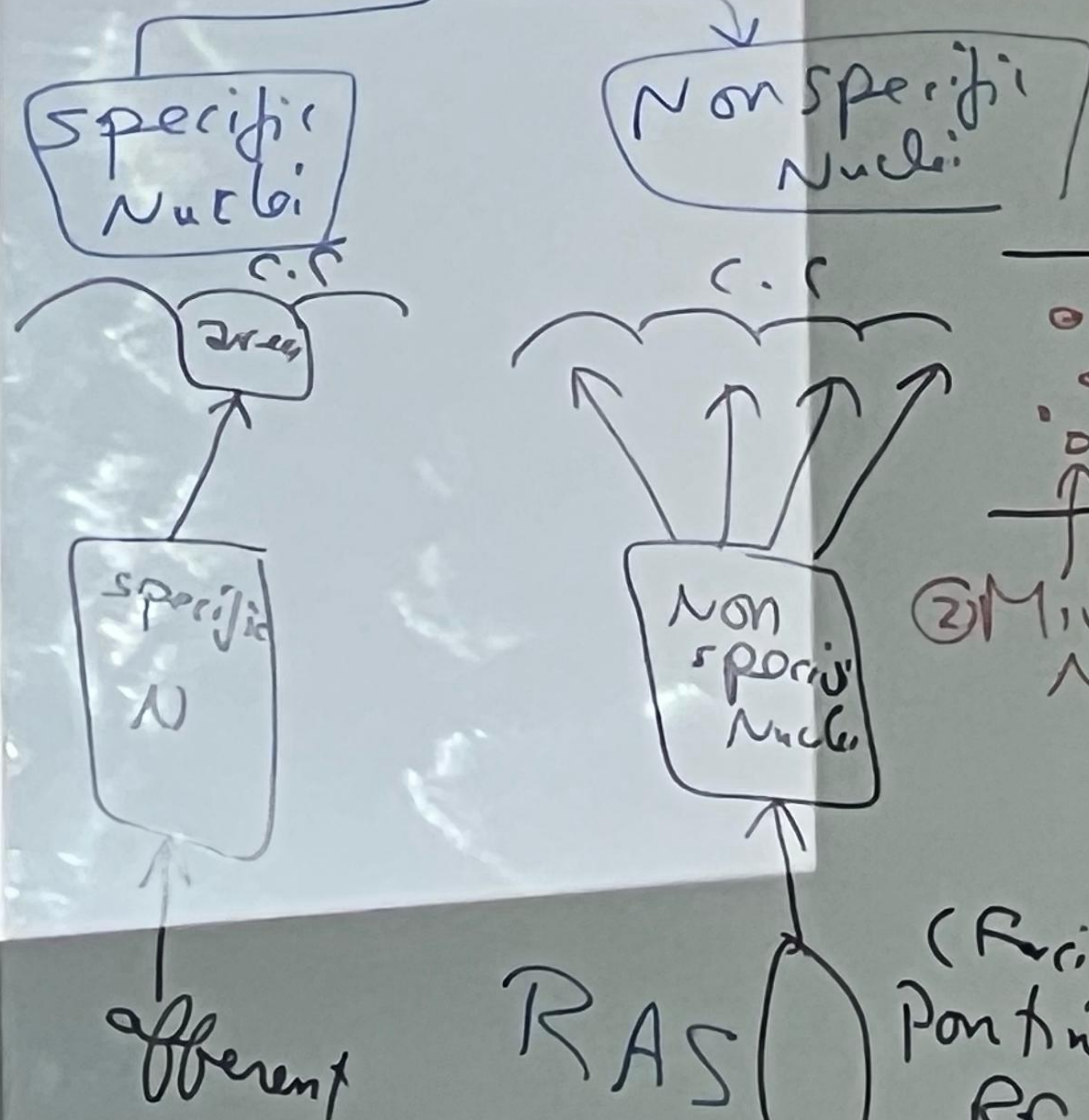
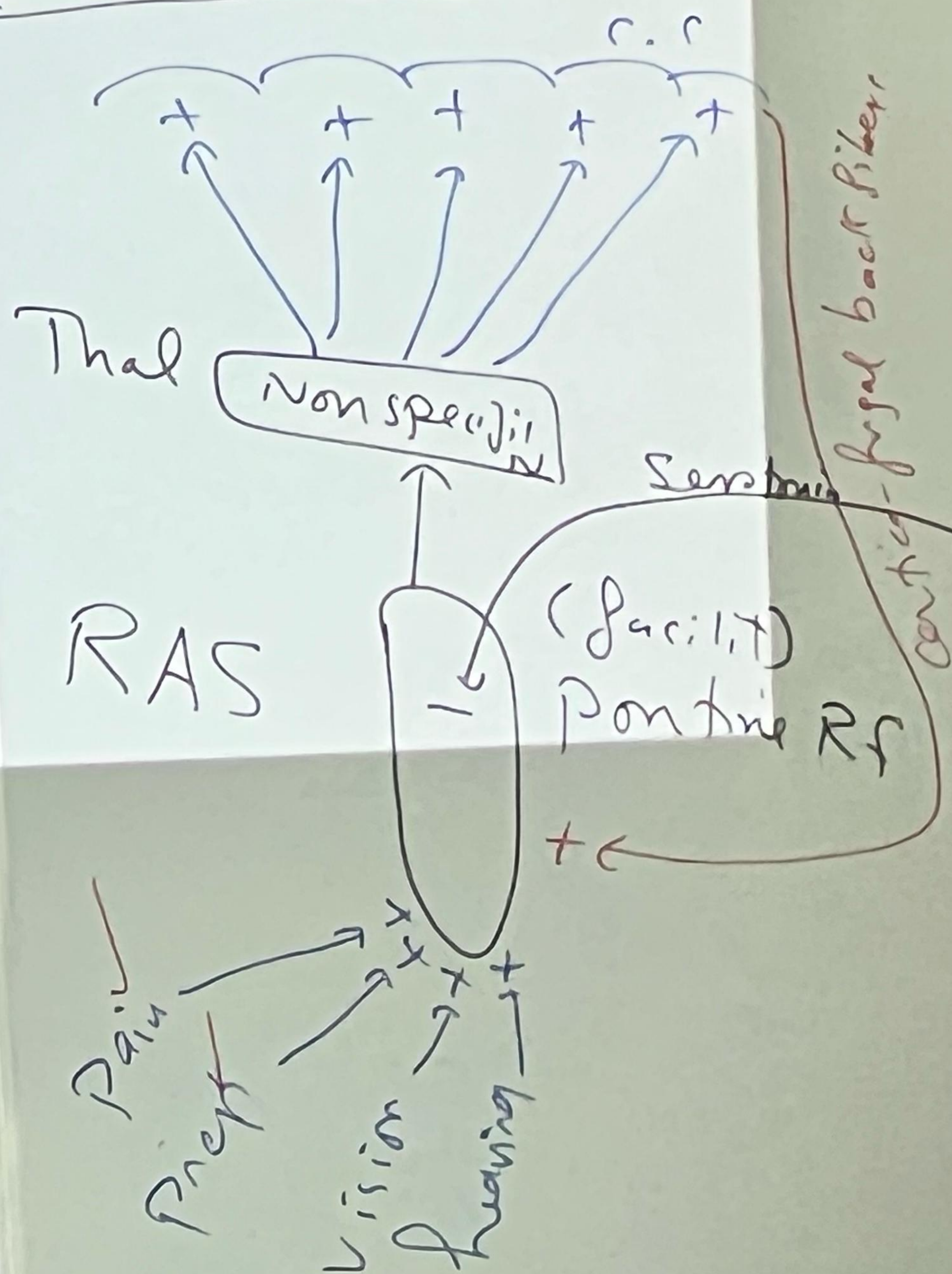


Thalamic Nuclei



(IV) Arousal : Thinking



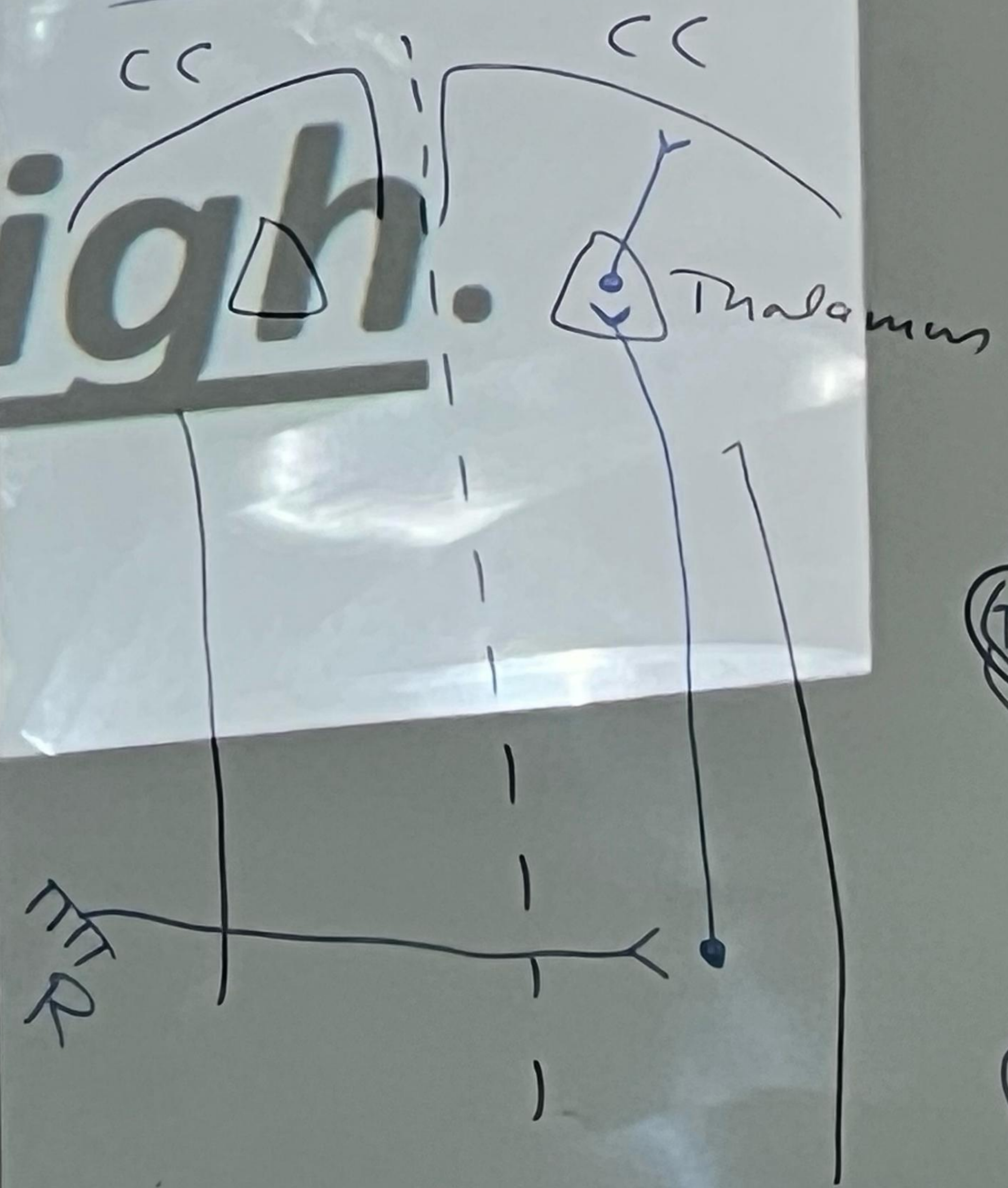
Factors affecting RAS

- ① Sensory :
- ② feedback
- ③ Neurotransmitter
 - ↳ a to 9 non
 - ↳ serot
- ④ Reticular inhib area (RIA)
- ⑤ Drugs
 - ↳ inhibitory
 - ↳ excitatory

↑ ↑ ↑
inhib RIA

(T) sensory

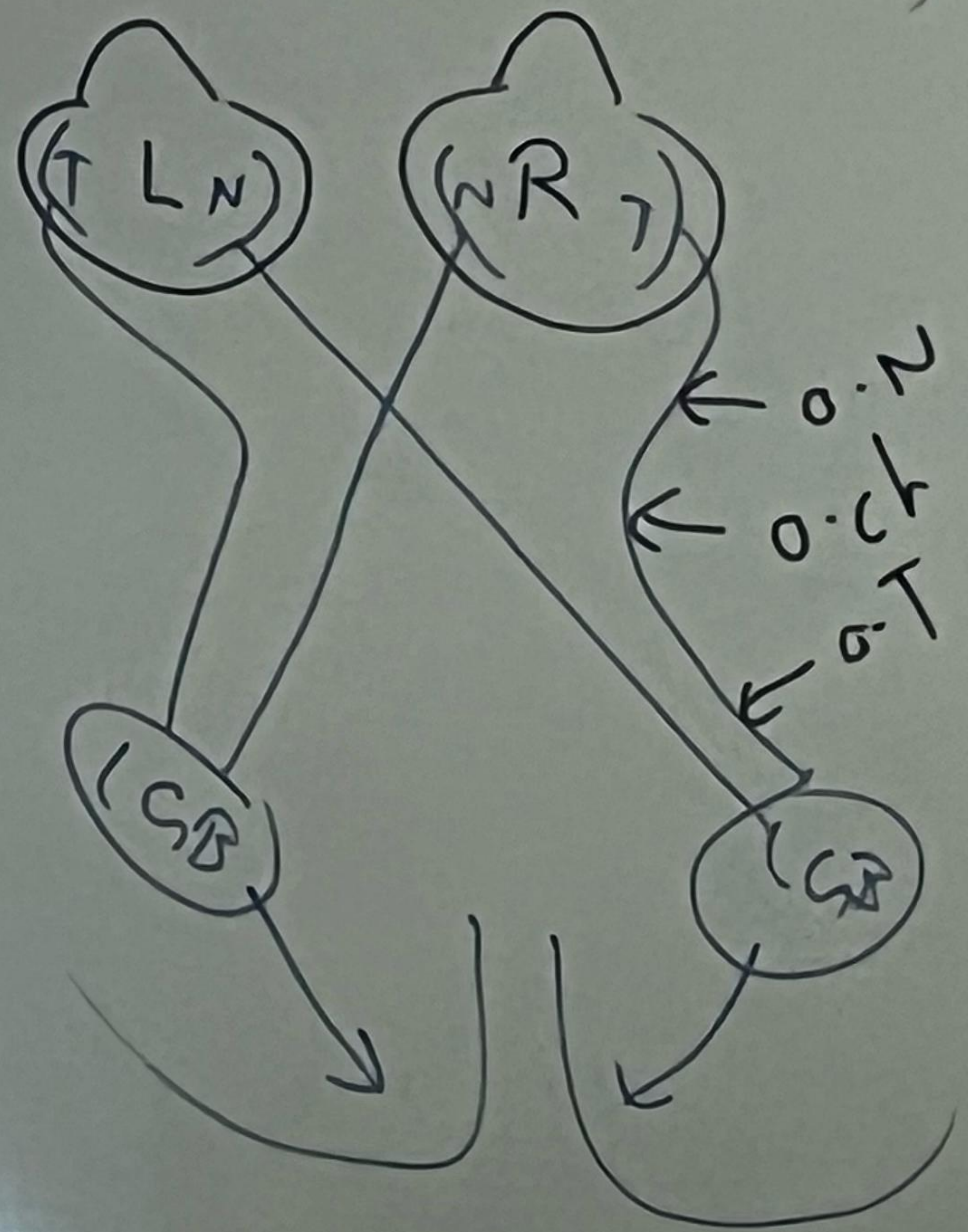
A] Relay station



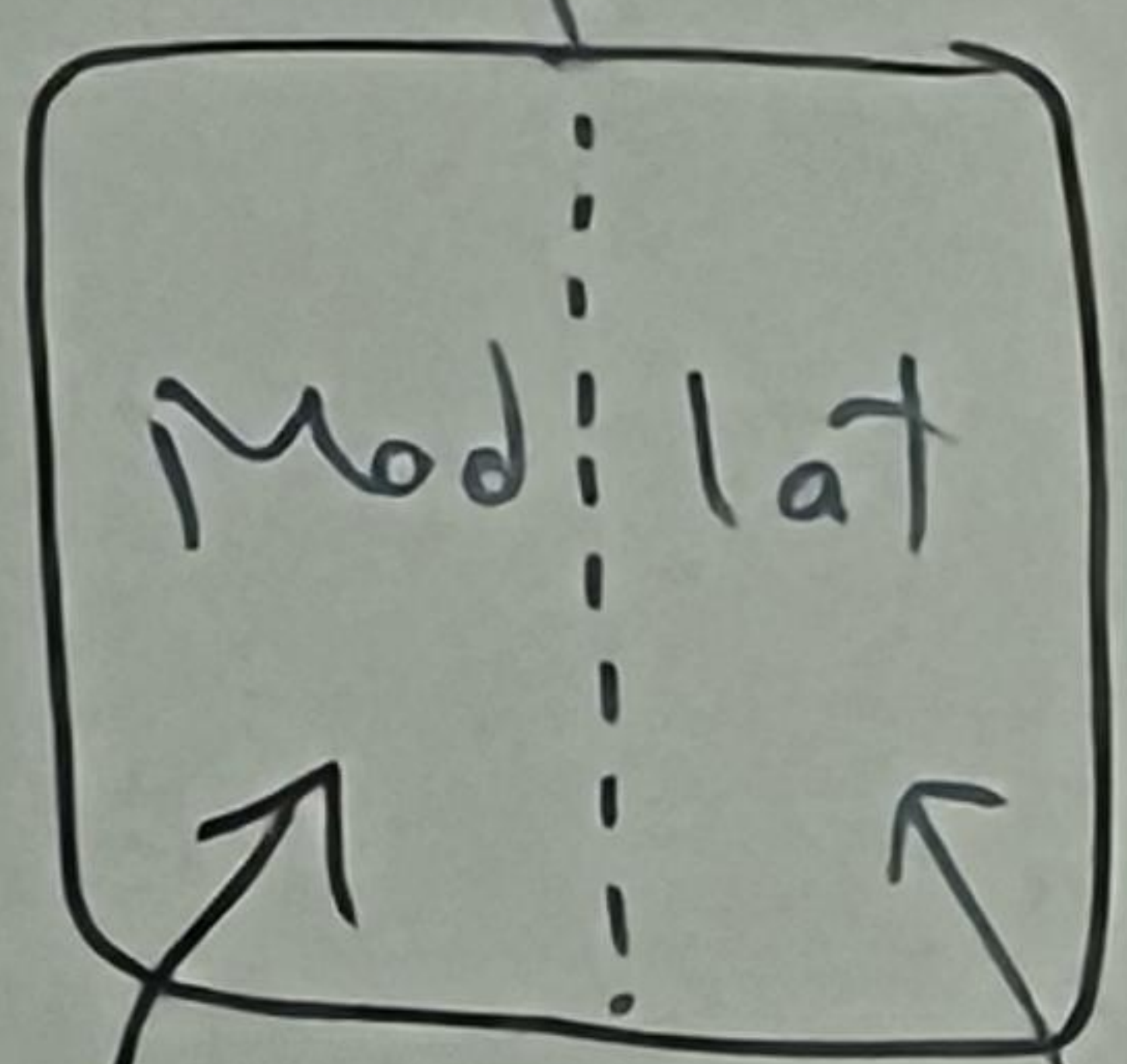
Somatic

Special

vision hearing



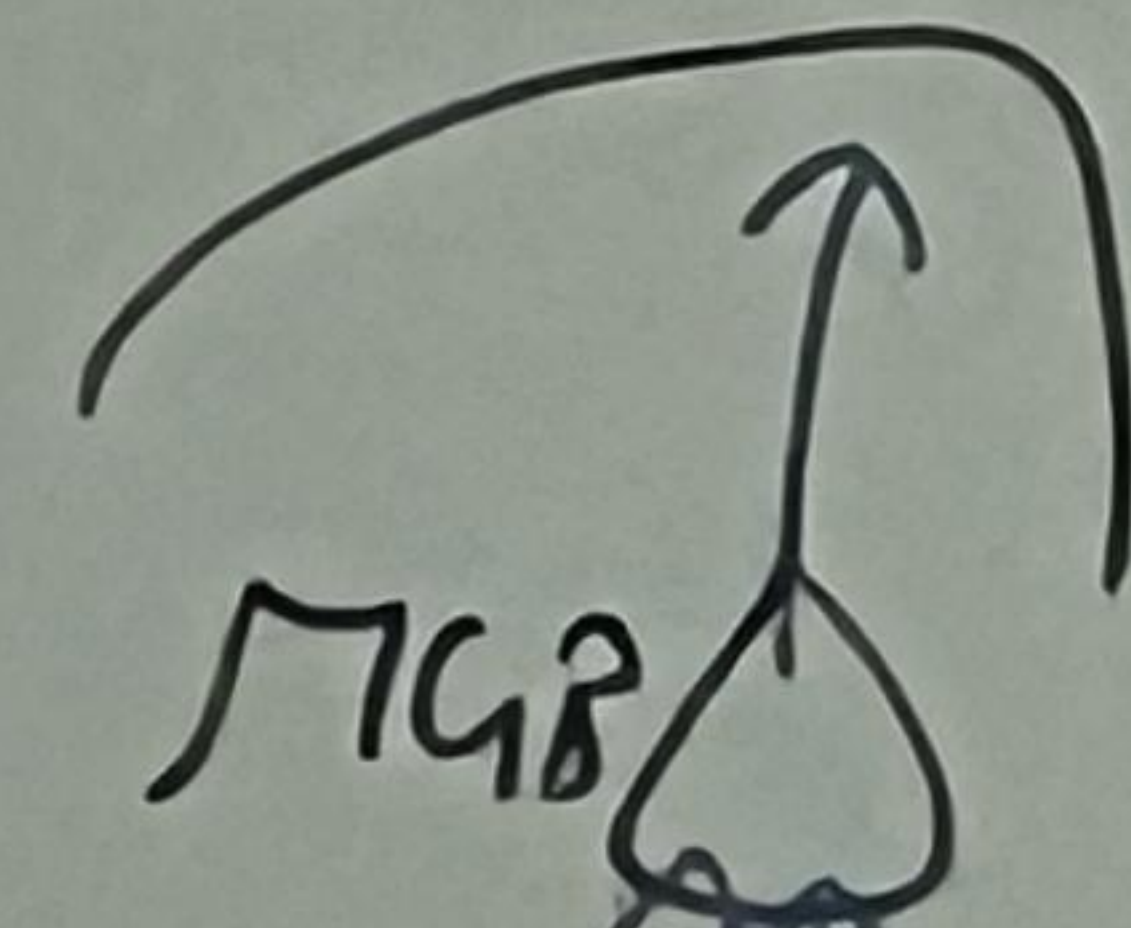
CC



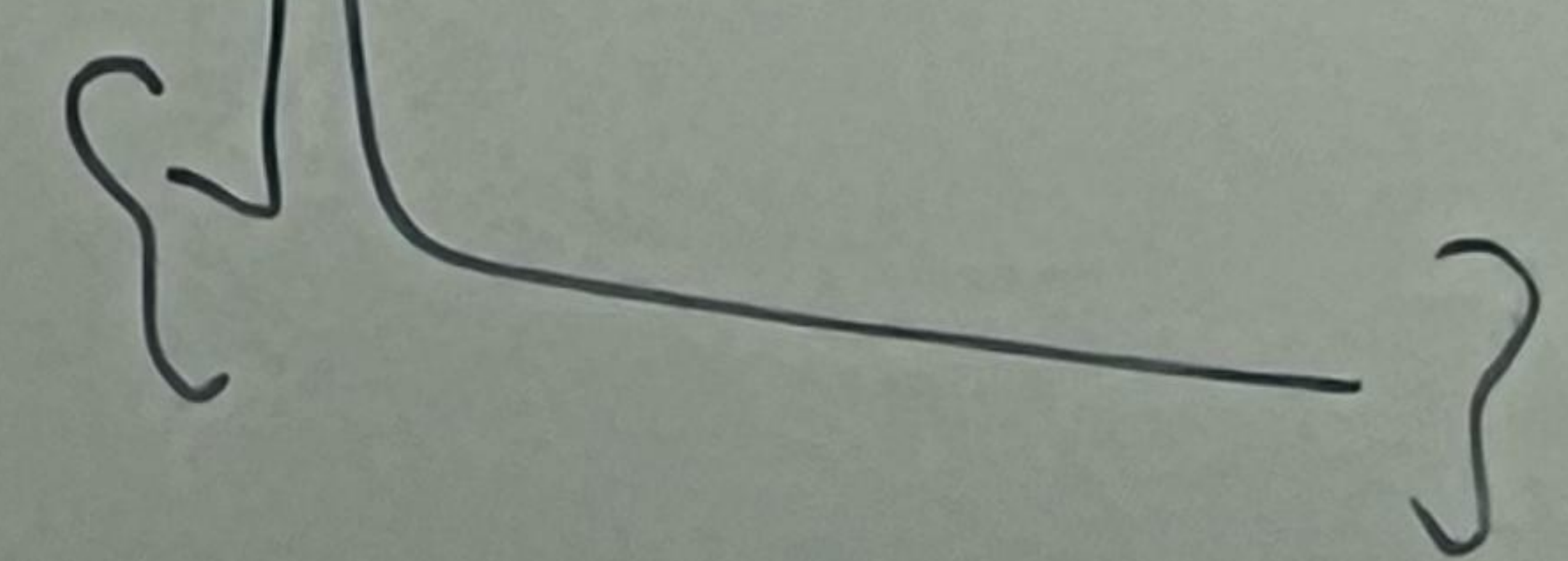
VP

Face Taste

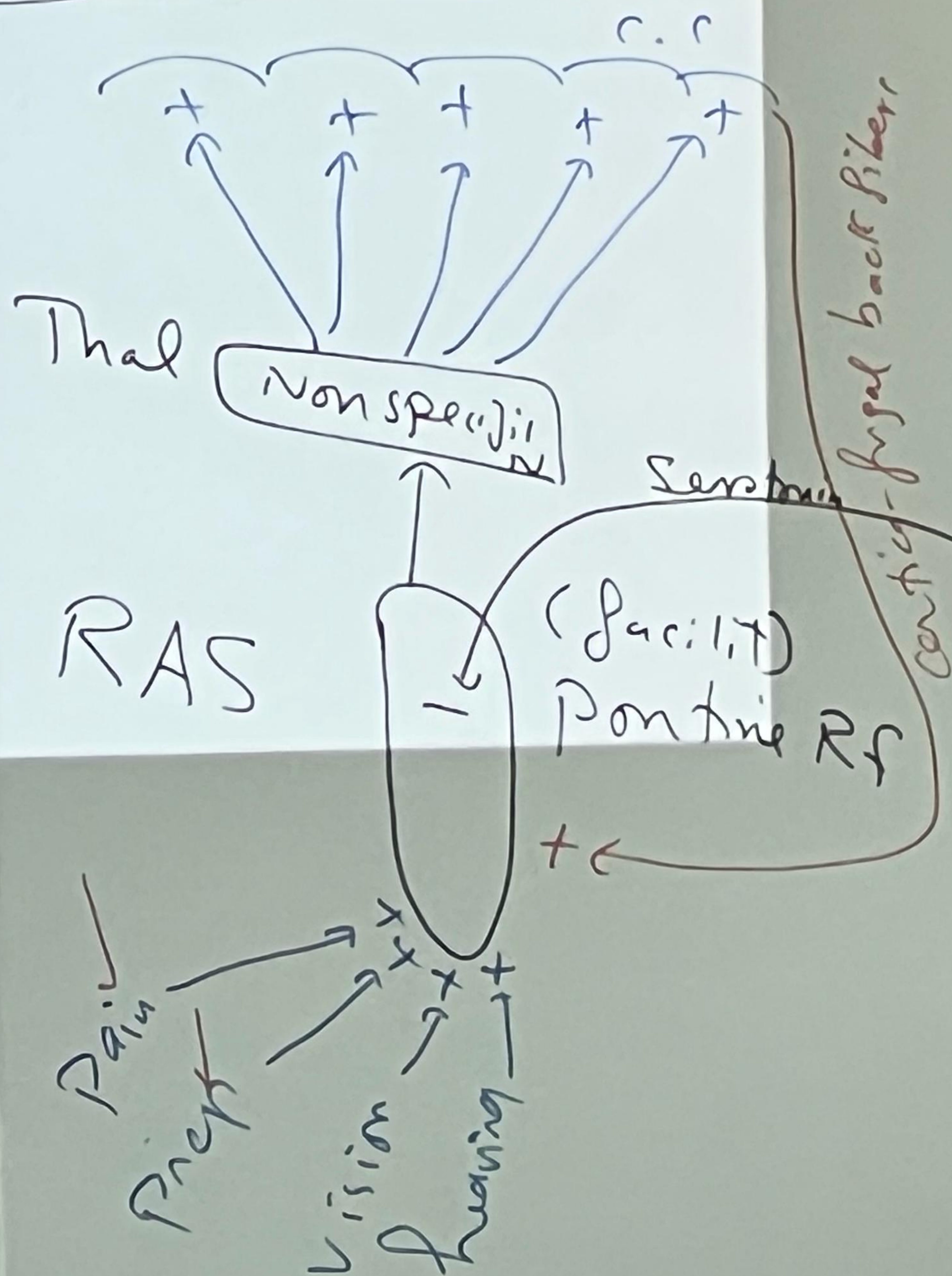
Body



DMGB



(IV) Arousal : Thinking



Factors affecting RAS

① Sensory :

② feedback

③ Neurotransmitter a.k.a non
serot

④ Reticular inhib area (RIA)

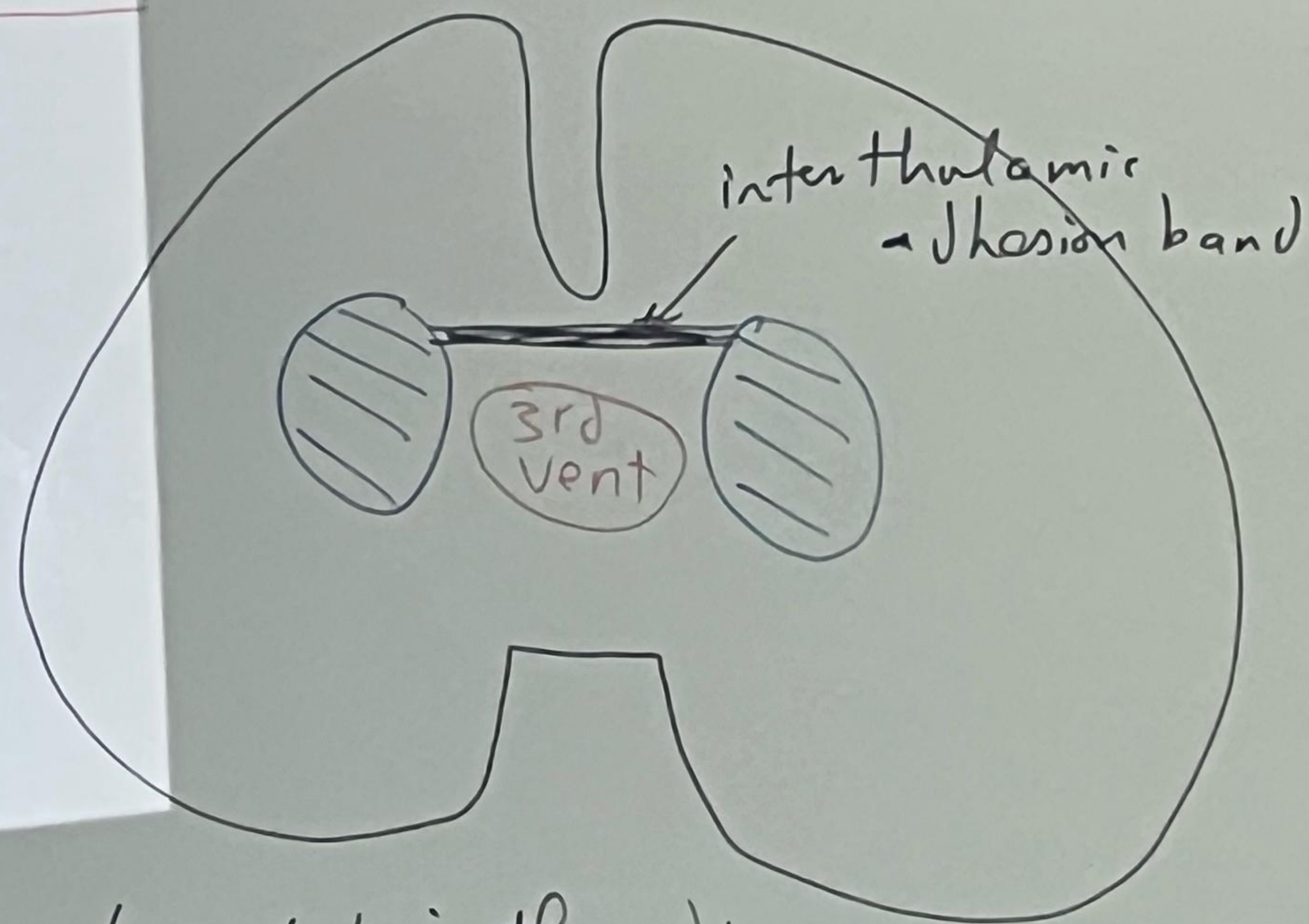
low Rf
high RIA

⑤ Drugs

⑥ Inhibitory

excitatory

Thalamus

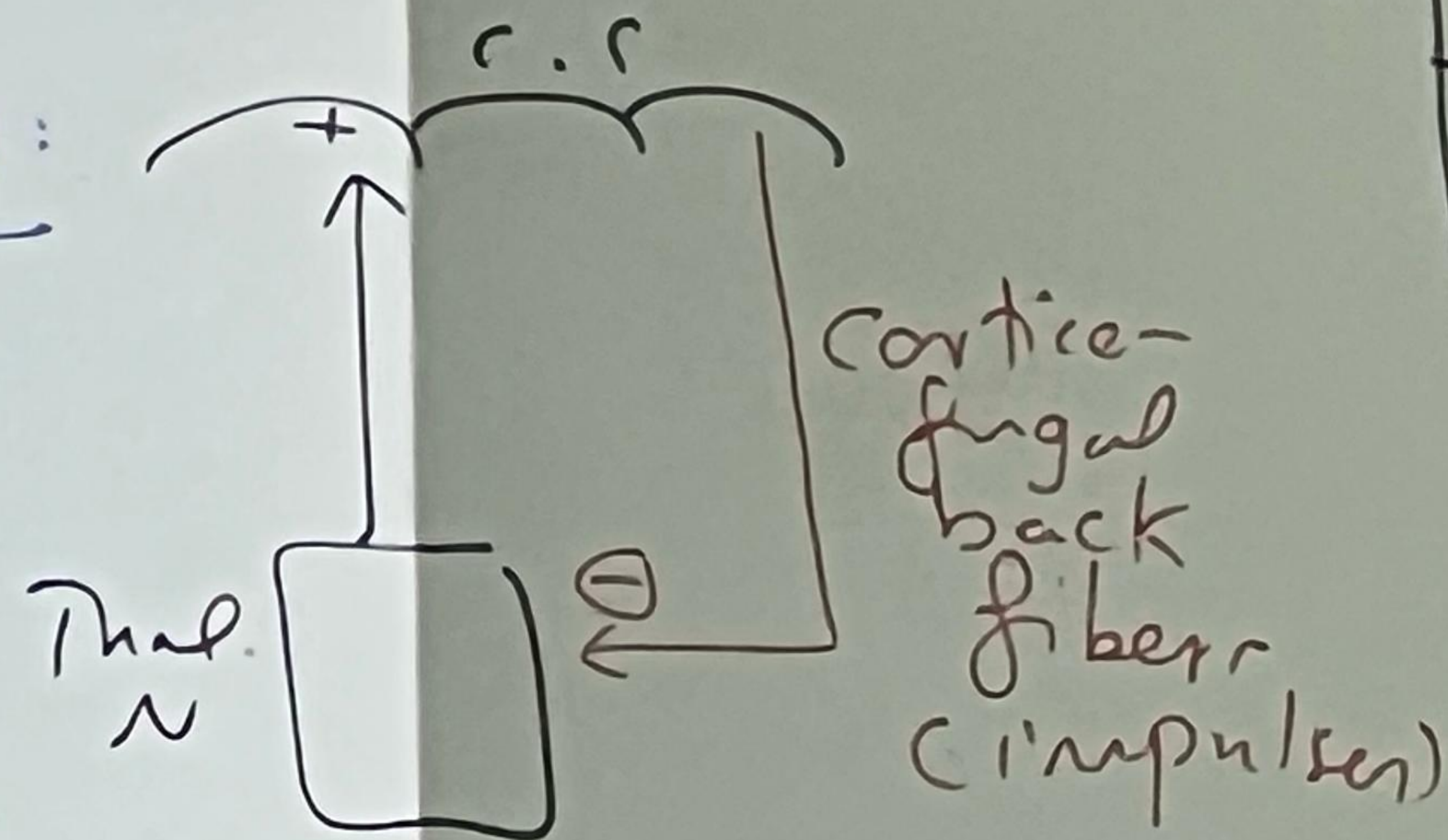


- located in the diencephalon
- two large ovoid grey masses
- sep by 3rd vent
- connected by interthalamic adhesion band

(I) Sensory

A] Relay station

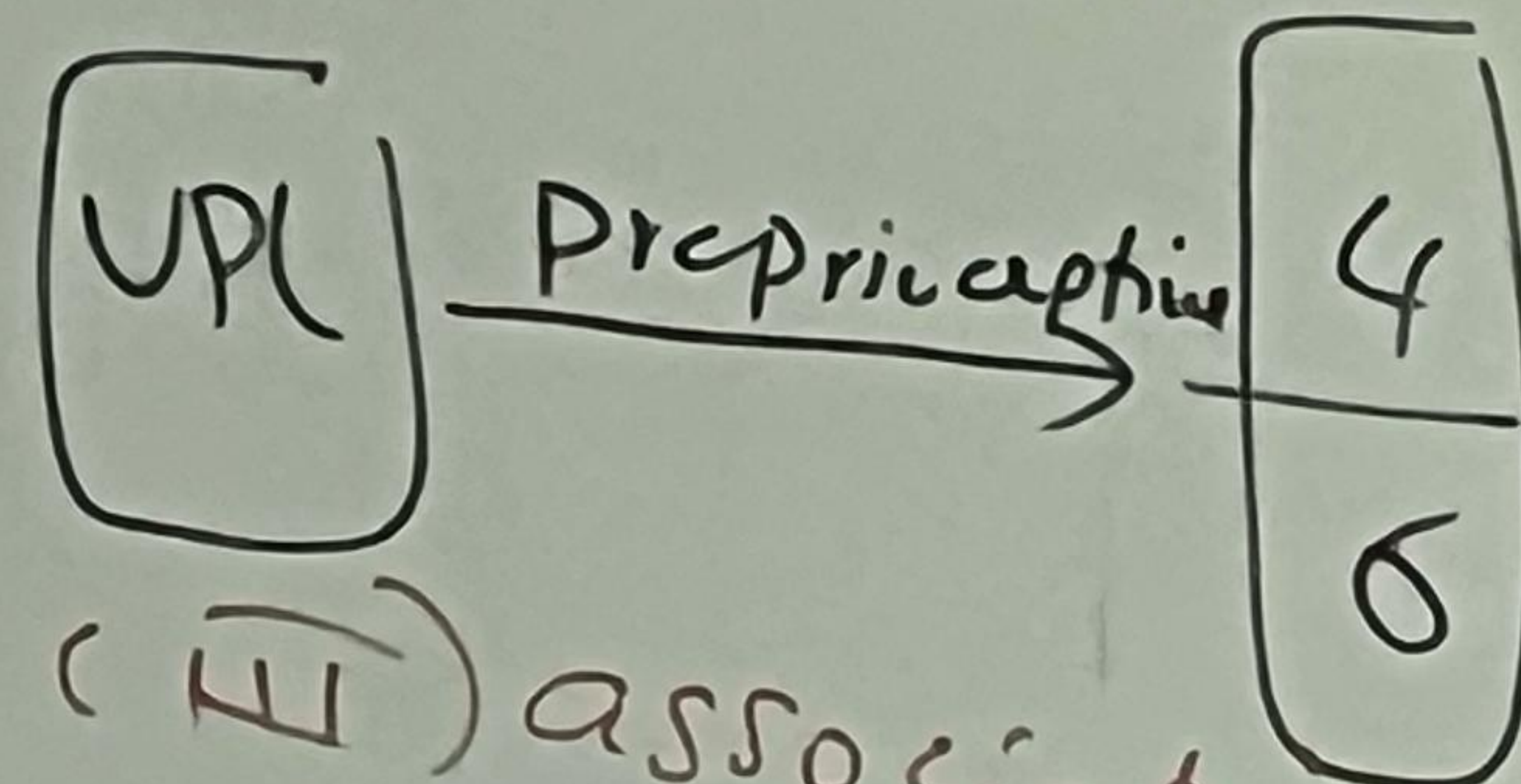
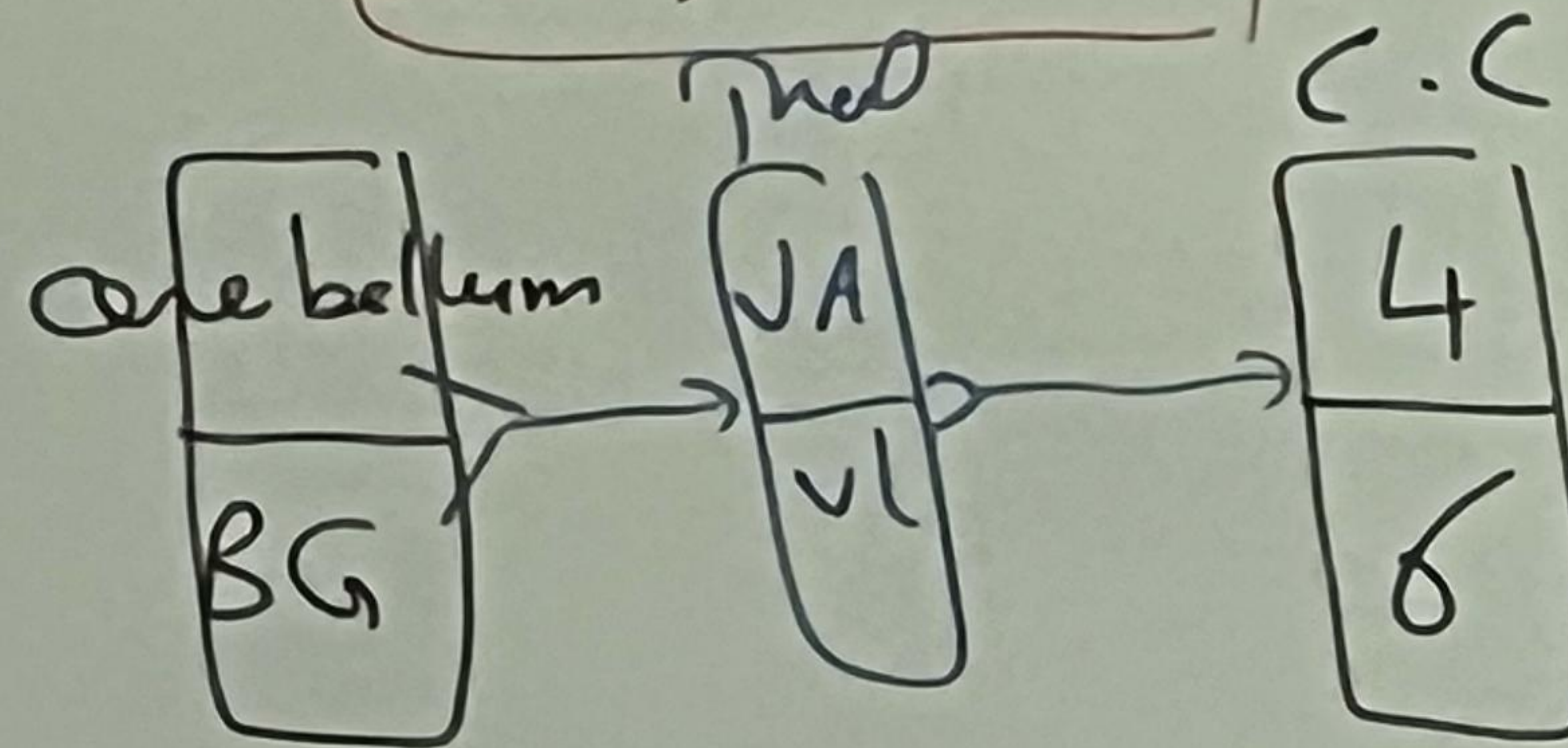
B] Gating:



C] Higher center

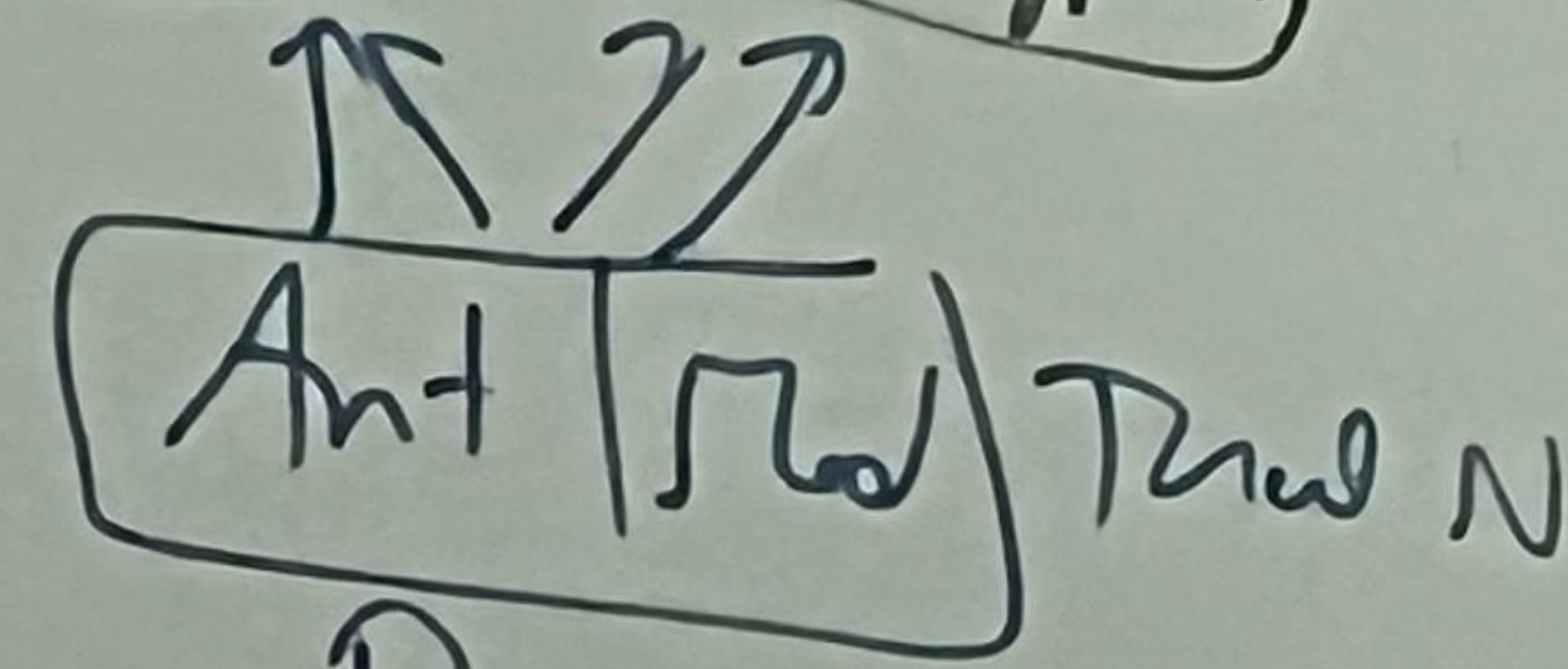
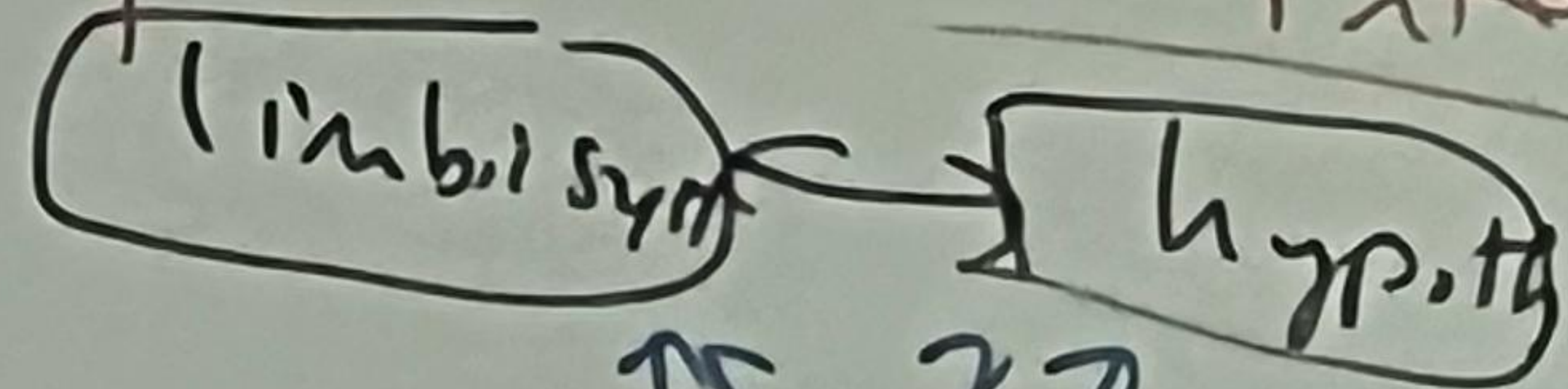
e.g. Diffuse pain
Crude touch

(II) Motor



(III) Association & integration

emotions



Response
somatic visceral

