

CARBON COPY

AUTONOMOUS COGNITIVE CONTROLLER AGENTS

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P IWUH2F DD VG

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gr bqjý

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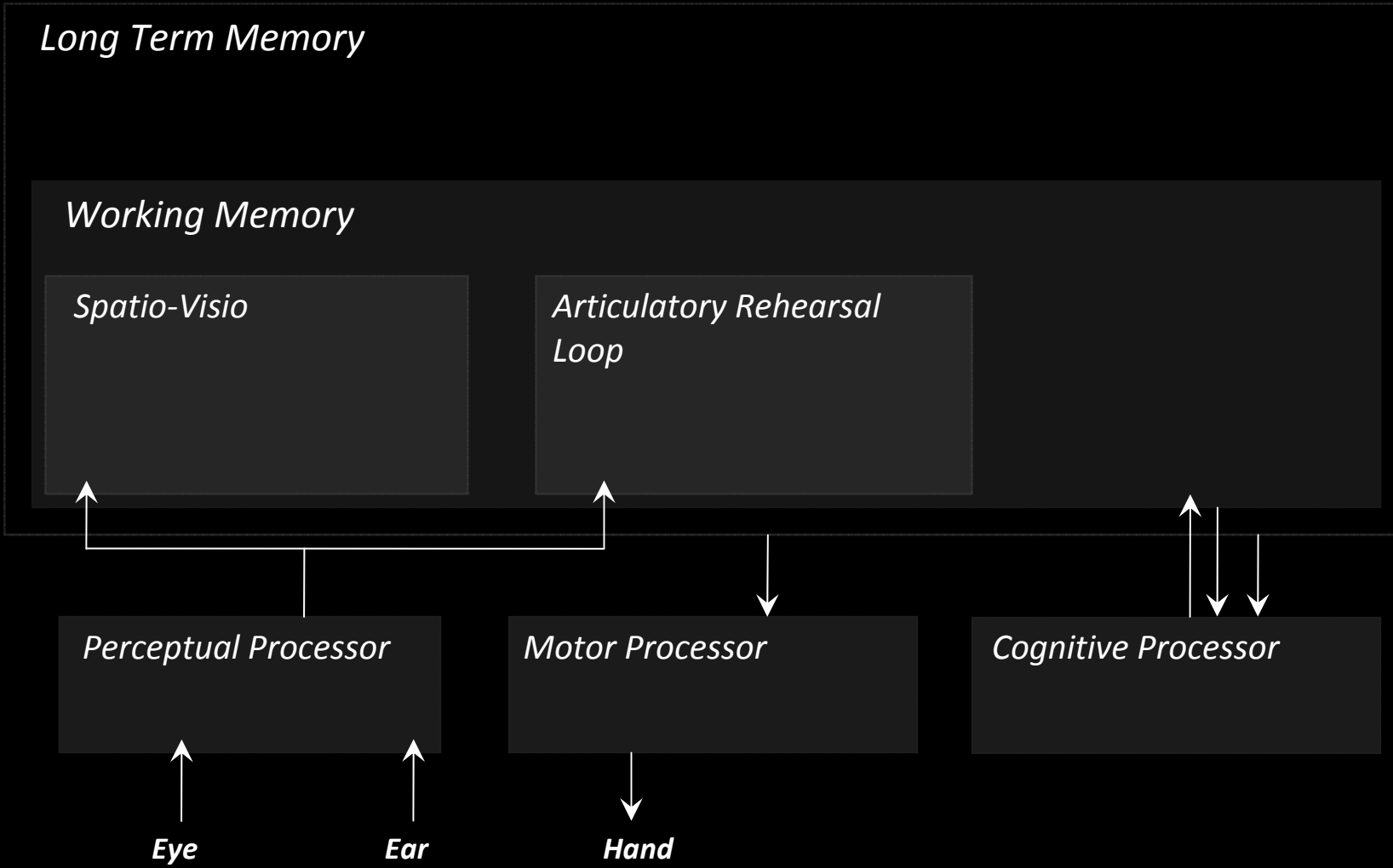
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Eh'iruh wkh hduq 4<83v/
frjqłwłyh vfłhgfłh ornhg
vrp hwkłqj dnh wkłwł



rgho xpids urfhvru

Long Term Memory

$$\begin{aligned} \delta_{LTM} &= X_1 \\ \mu_{LTM} &= X_1 \\ \kappa_{LTM} &= \text{Semantic} \end{aligned}$$

Working Memory

Spatio-Visio

$$\begin{aligned} \delta_{VIS} &= 200 \mid 700 \sim 1000 \mid \text{msec} \\ \mu_{VIS} &= 17 \mid 7 \sim 17 \mid \text{letters} \\ \kappa_{VIS} &= \text{Physical} \end{aligned}$$

Articulatory Rehearsal Loop

$$\begin{aligned} \delta_{ARS} &= 1500 \mid 900 \sim 3500 \mid \text{msec} \\ \mu_{ARS} &= 5 \mid 4.4 \sim 6.2 \mid \text{letters} \\ \kappa_{ARS} &= \text{Physical} \end{aligned}$$

$$\begin{aligned} \mu_{WM} &= 3 \mid 2.5 \sim 4.1 \mid \text{chunks} \\ \mu_{WM} &= 7 \mid 5 \sim 9 \mid \text{chunks} \\ \delta_{WM} &= 7 \mid 5 \sim 226 \mid \text{sec} \\ \delta_{WM} &= 73 \mid 73 \sim 226 \mid \text{sec} \\ \delta_{WM} &= 7 \mid 5 \sim 34 \mid \text{sec} \\ \kappa_{WM} &= \text{Acoustic or Visual} \end{aligned}$$

Perceptual Processor

$$\tau_p = 100 \mid 50 \sim 200 \mid \text{msec}$$

Eye

Ear

Motor Processor

$$\tau_M = 70 \mid 30 \sim 100 \mid \text{msec}$$

Hand

Cognitive Processor

$$\tau_C = 70 \mid 25 \sim 170 \mid \text{msec}$$

$$\tau_E = 230 \mid 70 \sim 700 \mid \text{msec}$$

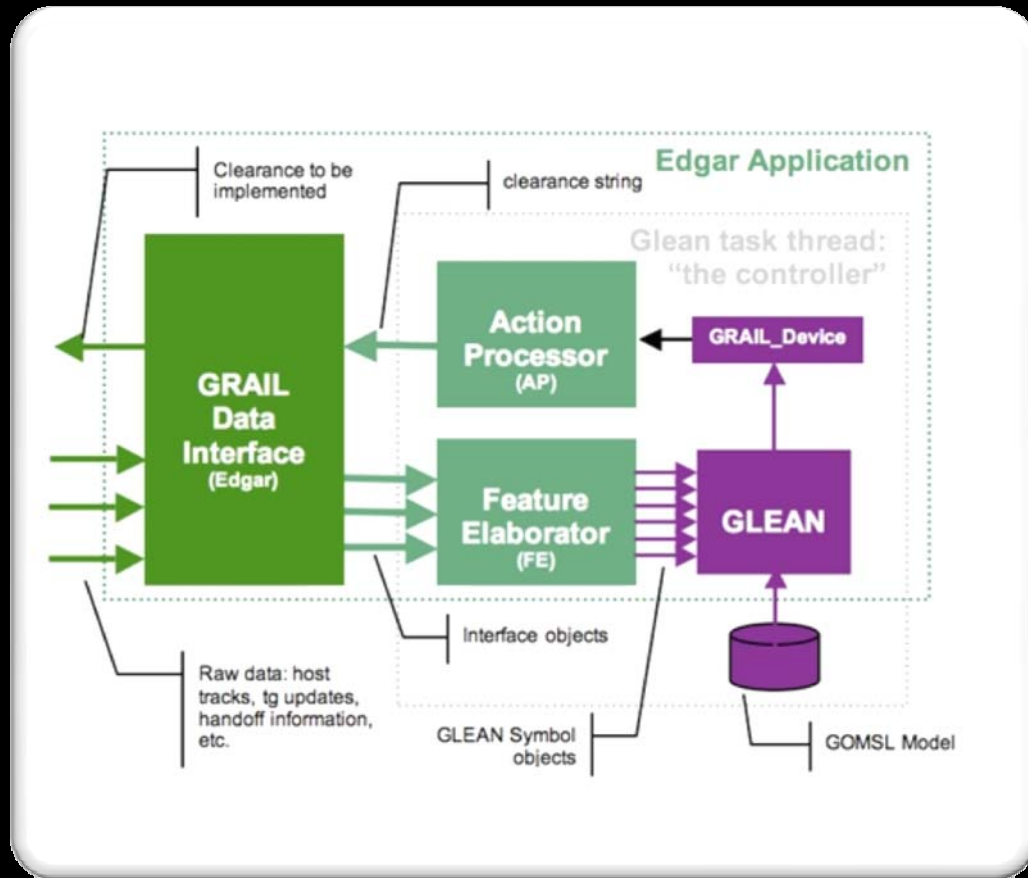
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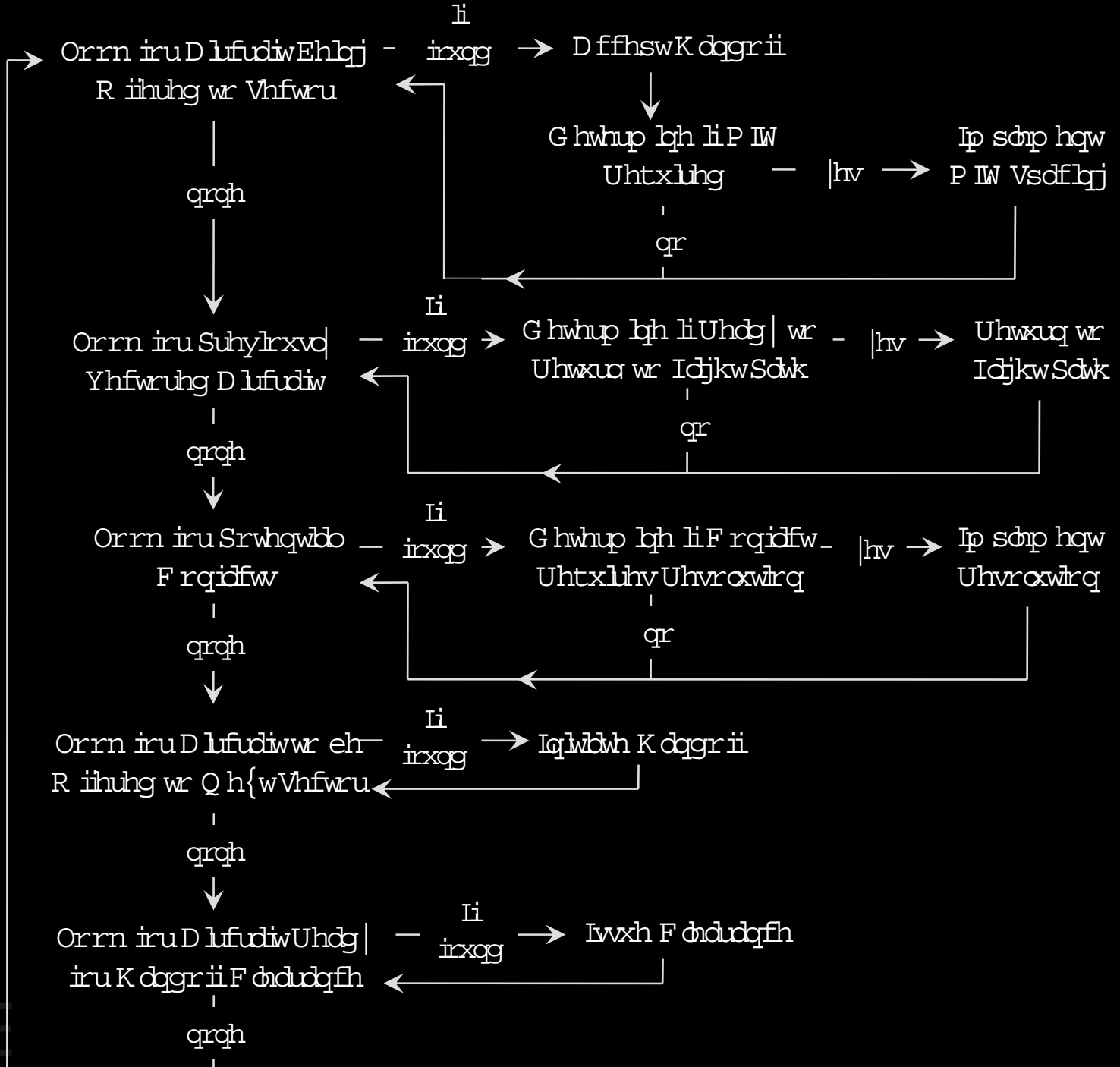
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Integration of the JUDIG



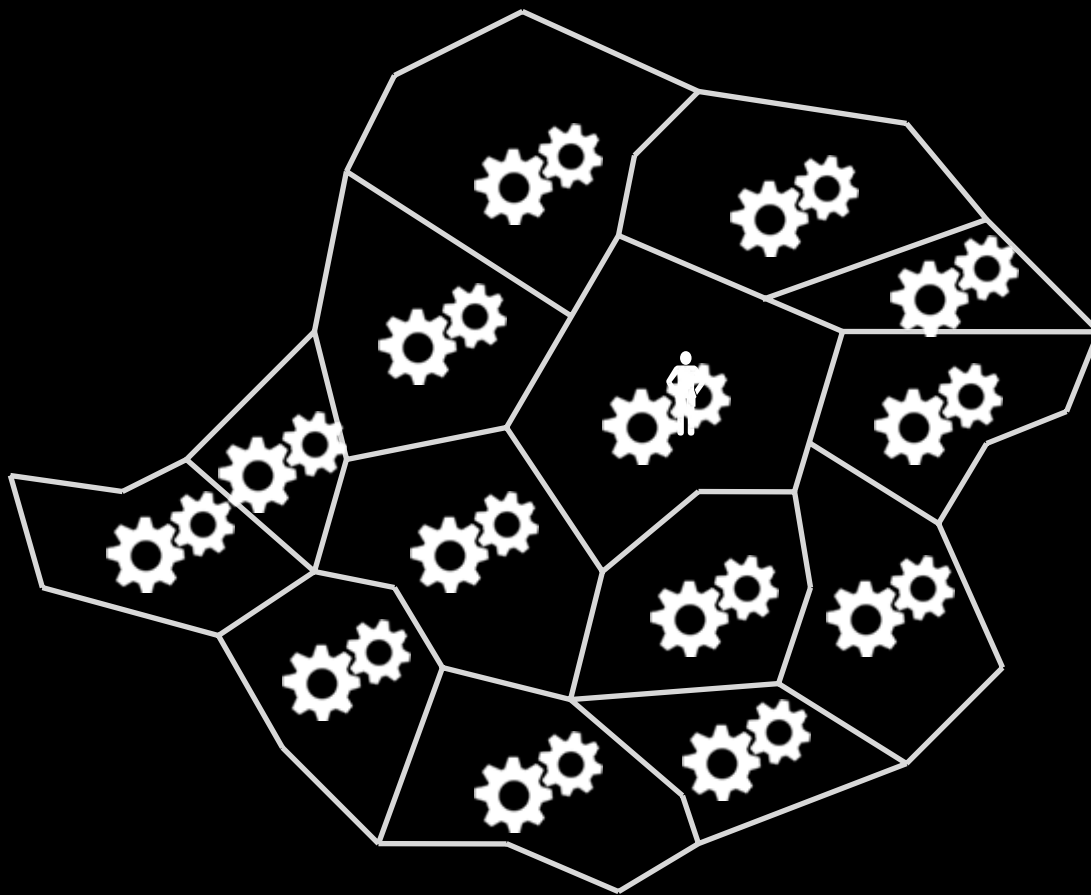


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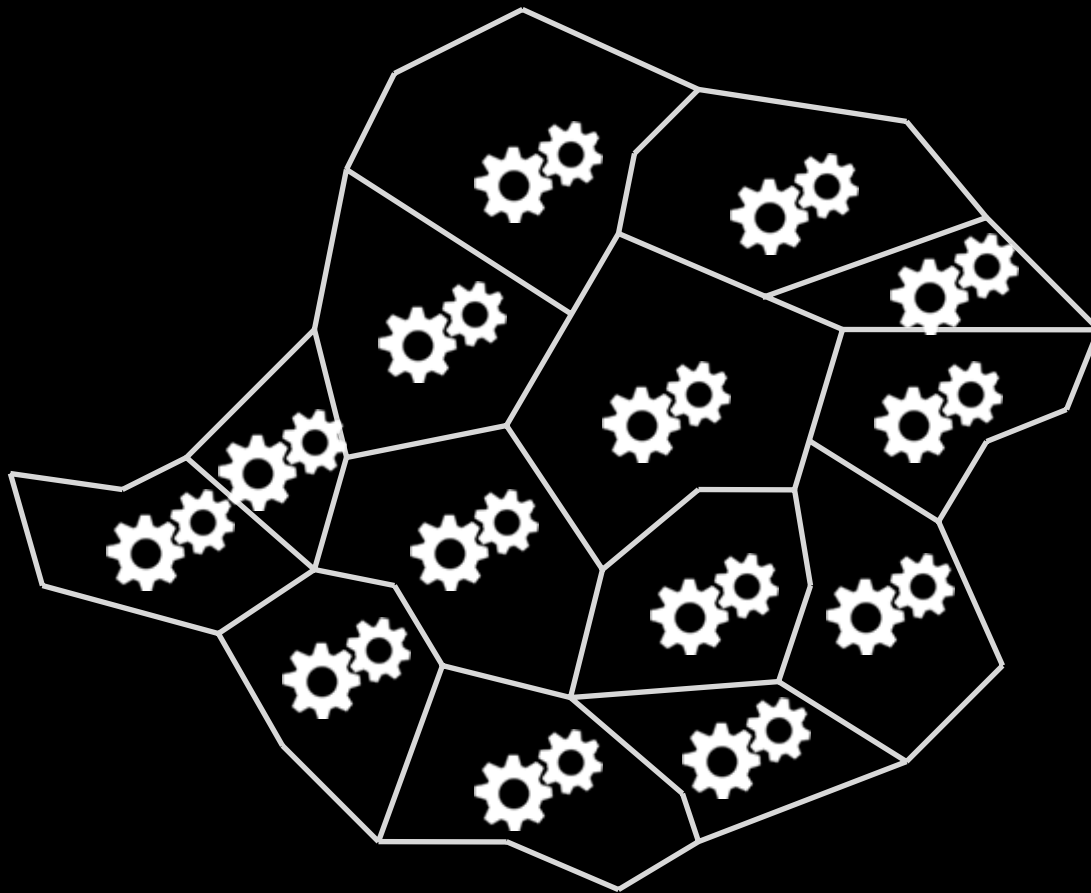
Odruhu Vfdm K IWov



5 křkuv +669 křkuv,



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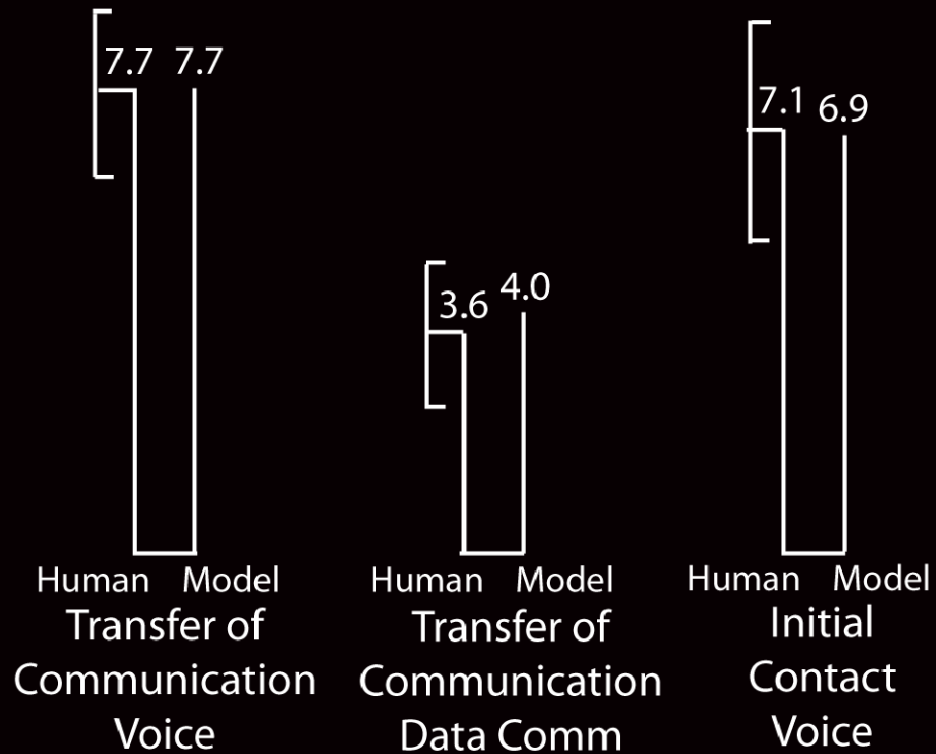
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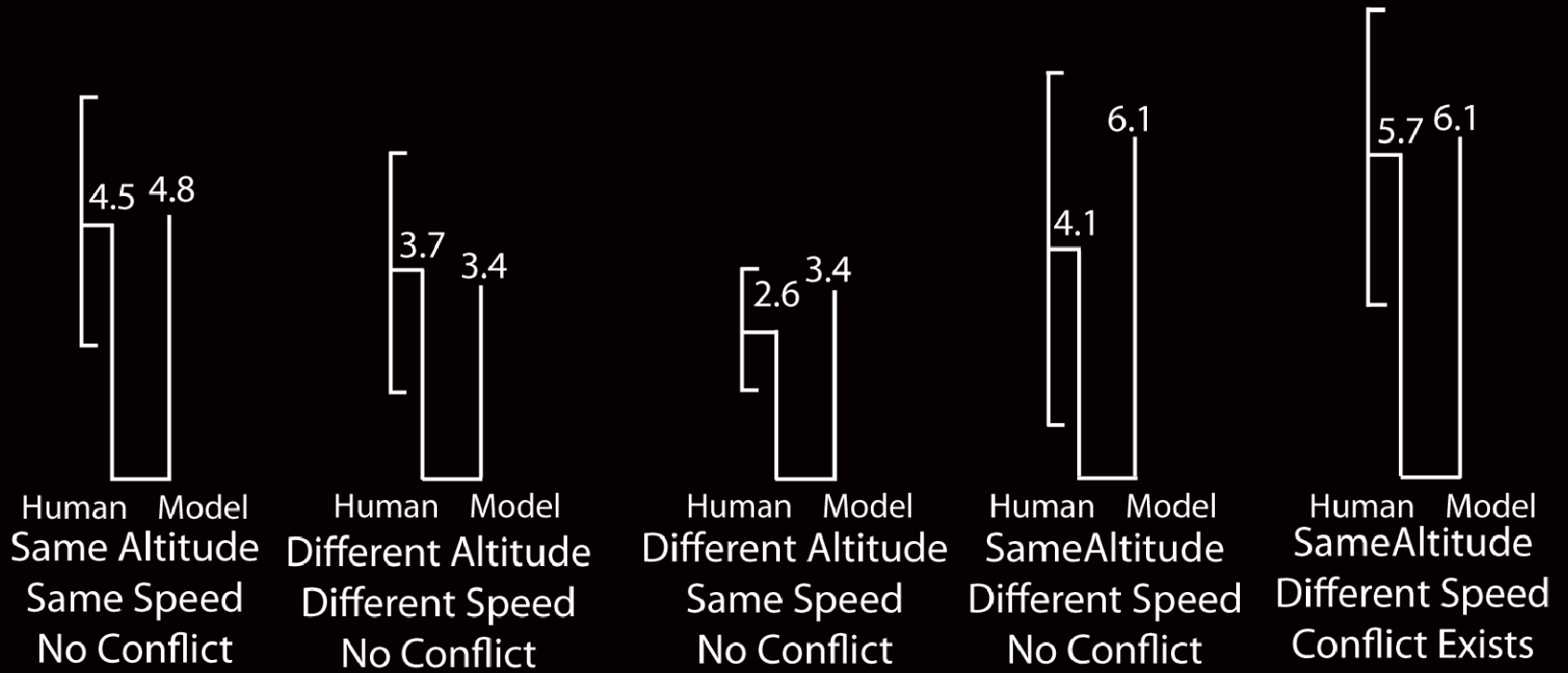
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Wdvn Wlp h Ydgdwtrq



PrghoyhuxvR evhuyhg Wdvn Wlp hv +b vhfrogv,



P rghoyhuxv R evhuyhg F rqi dfw W dvn W lp hv +b vhfroggv,

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