“**>>**” means processed faster

“**\*>>**” means significantly processed faster

**English:**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Type** | **R1** | **R2** | **R3** | **R4** | **R5** | **R6** | **R7** | **R8** | **R9** | **R10** |
| **SS** | The horse | that | ***e*** kicked | the wolf | on Tuesday | that | ***e*** patted | the lion | just now | went home. |
| **SO** | The horse | that | ***e*** kicked | the wolf | on Tuesday | that | the lion | patted ***e*** | just now | went home. |
| **OS** | The horse | that | the wolf | kicked ***e*** | on Tuesday | that | ***e*** patted | the lion | just now | went home. |
| **OO** | The horse | that | the wolf | kicked ***e*** | on Tuesday | that | the lion | patted ***e*** | just now | went home. |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Verb in RC1** | **Verb in RC2** | **RC1 (region 34)** | **RC2 (region 78)** | **RC1 + RC2 (R3478)** |
| **Rank** | Two levels: S \*>> O  Four levels:  SS >> SO \*>> OO >> OS | Two levels: O \*>> S  Four levels:  OO >> SO >> OS >> SS  OO \*>> OS  SO \*>> SS | S \*>> O | Two levels: O \*>> S  Four levels:  OO >> SO >> SS >> OS  OO \*>> SS | SS >> SO \*>> OO >> OS |
|  | **Edge of RC1 (R3)** | **Edge of RC2 (R7)** | **Main Verb (R10)** |  |  |
|  | Two levels: S \*>> O | Two levels: S >> O | OS >> SS >> OO >> SO  OS \*>> SO |  |  |

* Data set: 36 subject whose responses’ rate of correctness are higher than 70%. Average of rate of correctness: 75.83%.
* Flipped pattern in RC1 and RC2: RC1 -- S \*>> O; RC2 -- O \*>> S
* Further cleaning of the data, i.e. only consider RT with correct responses, significant is either reduced or eliminated.

“**>>**” means processed faster

“**\*>>**” means significantly processed faster

**Chinese:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Type** | **R1** | **R2** | **R3** | **R4** | **R5** | **R6** | **R7** | **R8** | **R9** | **R10** | **R11** | **R12** |
| **SS** | Dem | on Tuesday | ***e*** kicked | the wolf | many times | de | just now | ***e*** patted | the lion | de | horse | went home. |
| **SO** | Dem | on Tuesday | ***e*** kicked | the wolf | many times | de | just now | the lion | patted ***e*** | de | horse | went home. |
| **OS** | Dem | on Tuesday | the wolf | ***e*** kicked | many times | de | just now | ***e*** patted | the lion | de | horse | went home. |
| **OO** | Dem | on Tuesday | the wolf | ***e*** kicked | many times | de | just now | the lion | patted ***e*** | de | horse | went home. |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Verb in RC1** | **Verb in RC2** | **RC1 (region 34)** | **RC2 (region 89)** | **RC1 + RC2 (R3489)** |
| **Rank** | Nothing significant | Two levels: S \*>> O  Four levels:  SS \*>> OS >> OO >> SO  OS \*>> SO | O \*>> S | Two levels: S \*>> O  Four levels:  SS \*>> OO >> SO >> OS | SS >> OO >> OS >> SO  OO \*>> SO |
|  | **Edge of RC1 (R3)** | **Edge of RC2 (R8)** | **Head NP (R11)** |  |  |
| **Rank** | Two levels: S \*>> O  Four levels:  SS >> SO \*>> OO >> OS | Two levels: S \*>> O  Four levels:  SS \*>> OS \*>> SO > OO | SS >> OO \*>> OS >> SO |  |  |

* Data set: 39 subject whose responses’ rate of correctness are higher than 70%. Average of rate of correctness: 79.22%.
* Flipped pattern in RC1 and RC2: RC1 -- O \*>> S; RC2 -- S \*>> O. This is the opposite to English.