RASP-for-COGS Decoder loop unrolling pp depth 2

0 1 2 3 4 5 6 7 8 9 10 11 12
Camila was forwarded the cookie in a house beside the computer by Olivia | * cookie (x _ 4) ; * computer (_

4 10 2 5 7 8 0 1 3 6 9 11 12
cookie computer forwarded in house beside Camilia was the a the by Olivia

(words sorted: definite nouns, verbs+nouns+nmod, then other+proper nouns as proper nouns are not introduced/indexed)

forward
(stemmed verb)

noun introduction phase
current word in sorted input a noun ?

v_dat_pp_p4 (index 2) template:
forward . recipient (2 , Camila) AND forward . theme (2 , 4) AND forward . agent (2 , Olivia)

0 4 12
Camila cookie Olivia

(Proper nouns are not indexed in COGS)

verb introduction/relationship phase
current word in sorted input a verb?
number of relationships in output matches template size for matched verb-centered grammar pattern?

Camila was forwarded the cookie ~~in a house beside the computer~~ by Olivia

nouns preceded by preposition ignored in this phase

cookie . nmod . in (4 , 7) house . nmod . beside (7 , 10)

0 1 2 3 4 5 6 7 8 9 10 11 12
Camila was forwarded the cookie in a house beside the computer by Olivia

nmod handling phase
current word in sorted input a preposition ?

---

0 1 2 3 4 5 6 7 8 9 10 11 12
Camila was forwarded the cookie in a house beside the computer by Olivia | * cookie (x _ 4) ; * computer (x _ 10) ; forward . recipient (x _ 2 , _

4 10 2 5 7 8 0 1 3 6 9 11 12
cookie computer forwarded in house beside Camilia was the a the by Olivia

(words sorted: definite nouns, verbs+nouns+nmod, then other+proper nouns as proper nouns are not introduced/indexed)

forward
(stemmed verb)

noun introduction phase
current word in sorted input a noun ?

v_dat_pp_p4 (index 2) template:
forward . recipient (2 , Camila) AND forward . theme (2 , 4) AND forward . agent (2 , Olivia)

0 4 12
Camila cookie Olivia

(Proper nouns are not indexed in COGS)

verb introduction/relationship phase
current word in sorted input a verb?
number of relationships in output matches template size for matched verb-centered grammar pattern?

Camila was forwarded the cookie ~~in a house beside the computer~~ by Olivia

nouns preceded by preposition ignored in this phase

cookie . nmod . in (4 , 7) house . nmod . beside (7 , 10)

0 1 2 3 4 5 6 7 8 9 10 11 12
Camila was forwarded the cookie in a house beside the computer by Olivia

nmod handling phase
current word in sorted input a preposition ?

---

0 1 2 3 4 5 6 7 8 9 10 11 12
Camila was forwarded the cookie in a house beside the computer by Olivia | * cookie (x _ 4) ; * computer (x _ 10) ; forward . recipient (x _ 2 , Camila) AND forward . theme (x _ 2 , x _ 4) AND forward . agent (x _ 2 , Olivia) AND cookie . nmod . _

4 10 2 5 7 8 0 1 3 6 9 11 12
cookie computer forwarded in house beside Camilia was the a the by Olivia

(words sorted: definite nouns, verbs+nouns+nmod, then other+proper nouns as proper nouns are not introduced/indexed)

forward
(stemmed verb)

noun introduction phase
current word in sorted input a noun ?

v_dat_pp_p4 (index 2) template:
forward . recipient (2 , Camila) AND forward . theme (2 , 4) AND forward . agent (2 , Olivia)

0 4 12
Camila cookie Olivia

(Proper nouns are not indexed in COGS)

verb introduction/relationship phase
current word in sorted input a verb?
number of relationships in output matches template size for matched verb-centered grammar pattern?

Camila was forwarded the cookie ~~in a house beside the computer~~ by Olivia

nouns preceded by preposition ignored in this phase

cookie . nmod . in (4 , 7) house . nmod . beside (7 , 10)

0 1 2 3 4 5 6 7 8 9 10 11 12
Camila was forwarded the cookie in a house beside the computer by Olivia

nmod handling phase
current word in sorted input a preposition ?

---

0 1 2 3 4 5 6 7 8 9 10 11 12
Camila was forwarded the cookie in a house beside the computer by Olivia | * cookie (x _ 4) ; * computer (x _ 10) ; forward . recipient (x _ 2 , Camila) AND forward . theme (x _ 2 , x _ 4) AND forward . agent (x _ 2 , Olivia) AND cookie . nmod . in (x _ 4 , x _ 7) AND house (x _ 7) AND house . nmod . beside (x _ 7 , x _ 10)

4 10 2 5 7 8 0 1 3 6 9 11 12
cookie computer forwarded in house beside Camilia was the a the by Olivia

(words sorted: definite nouns, verbs+nouns+nmod, then other+proper nouns as proper nouns are not introduced/indexed)

forward
(stemmed verb)

noun introduction phase
current word in sorted input a noun ?

v_dat_pp_p4 (index 2) template:
forward . recipient (2 , Camila) AND forward . theme (2 , 4) AND forward . agent (2 , Olivia)

0 4 12
Camila cookie Olivia

(Proper nouns are not indexed in COGS)

verb introduction/relationship phase
current word in sorted input a verb?
number of relationships in output matches template size for matched verb-centered grammar pattern?

Camila was forwarded the cookie ~~in a house beside the computer~~ by Olivia

nouns preceded by preposition ignored in this phase

cookie . nmod . in (4 , 7) house . nmod . beside (7 , 10)

0 1 2 3 4 5 6 7 8 9 10 11 12
Camila was forwarded the cookie in a house beside the computer by Olivia

nmod handling phase
current word in sorted input a preposition ?