\*Actual output: all syllables parsed resorting to heavily violating \*Clash brought up later as (L1ˈL2)(ˈL3)(ˈL4L5)

(15) Odd-parity words /itʃhikakina/ = /L1L2L3L4L5/ 🡪 [(iˈtʃhi)(kaˈki)na] = [(L1ˈL2)(L3ˈL4)L5]

parse(mode="weight")

Input:

itʃhikakina

NonFin, R

Parse, R

Parse, L

Iamb, R

Trochee, R

end

weight

end

(16) Rhythmic reversal: /hotitana/ = /L1L2L3L4/ 🡪 [(hoˈti)(ˈtana)] = [(L1ˈL2)(ˈL3L4)]

parse(mode="weight")

Input:

hotitana

NonFin, R

Parse, R

Parse, L

Iamb, R

Trochee, R

end

weight

end

(18) *Iamb on the right edge* /L1L2L3L4L5/ 🡪 [L1L2L3(L4ˈL5)]

parse(mode="weight")

Input:

5

HD(w), R

Iamb, R

Trochee, R

Parse, R

Trochee, L

end

weight

end

(19) *Trochee on the right edge* /L1L2L3L4L5/ 🡪 [L1L2L3(ˈL4L5)]

parse(mode="weight")

Input:

5

HD(w), R

Trochee, R

Iamb, R

Parse, R

Iamb, L

end

weight

end

(25) Moraic trochee /pa1ro:2ka3ra4mu5/ 🡪 [pa1(ˌro:2)ka3(ˈra4mu5)]

parse()

Input:

parokaramu

Trochee, R

Foot-Right, R

Bal-Troch, R

Parse, L

end

shortening

end

LHLLL

(26) Trochaic shortening /si:1βi2/ 🡪 [(ˈsi1βi2)]

parse()

Input:

siβi

Trochee, R

Foot-Right, R

Bal-Troch, R

Parse, L

Max(μ), R

end

end

HL

(27) Moraic trochee in directional P-OT /pa1ro:2ka3ra4mu5/ 🡪 [pa1(ˌro:2)ka3(ˈra4mu5)]

parse()

Input:

parokaramu

Trochee, R

Foot-Right, R

Bal-Troch, R

Parse, L

end

shortening

end

LHLLL

(28) Trochaic shortening in directional P-OT /si:1βi2/ 🡪 [(ˈsi1βi2)]

parse()

Input:

siβi

Trochee, R

Foot-Right, R

Bal-Troch, R

Parse, L

Max(μ), R

end

end

HL

(29) Parallel maximal parsing without shortening /L1L2L3L4H5/ 🡪 [(ˈL1L2)(ˈL3L4)(ˈH5)]

parse(mode="weight")

Input:

5

Trochee, R

Bal-Troch, R

Parse, L

Max(μ), R

end

end

LLLLH

(30) Trochaic shortening for parallel maximal parsing /L1L2L3H4/ 🡪 [(ˈL1L2)(ˈL3L4)]

parse(mode="weight")

Input:

4

Trochee, R

Bal-Troch, R

Parse, L

Max(μ), R

end

end

LLLH

(31) Parallel maximal parsing without shortening /L1L2L3L4L5/ 🡪 [L1(ˈL2L3)(ˈL4L5)]

parse(mode="weight")

Input:

5

Trochee, R

Bal-Troch, R

Parse, L

Max(μ), R

end

end

LLLLL

\*Lacking concept of iteration for P-OT; actual output: last syllable shortened as in (30)

(32) Serial parsing without shortening: 1st iteration

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| /L1L2L3H4/ | TROCHEE⇒ | BAL-TROCH⇒ | PARSE(σ)⇐ | MAX(μ)⇒ |
| ☞ a. L1L2L3(ˈH4) |  |  | 04131211 |  |
| ☞ b. L1L2(ˈL3H4) |  | W01020314 | L04031211 |  |
| ☞ c. L1L2L3L4 |  |  | W14131211 | W01020314 |

(34) Default stress on penult, e.g. [ʎa(ˈvatsaq)] /ʎavatsaq/ 🡪 [ʎa(ˈvatsaq)]

parse()

Input:

ʎavatsaq

HD(w), R

Trochee, R

Iamb, R

Parse, L

end

end

LLL

\*Different due to limitation of P-OT against DHS; actual output: nonmoraic schwa parsed as in (42)

(39) Final stressed syllable preceded by a syllable containing a [ə], e.g. [kə(ˈri:)] /kəri/ 🡪 [kə(ˈri:)]

parse()

Input:

kəri

HD(w), R

\*Stressed/ə, R

Trochee, R

HD(ft), R

Iamb, R

Parse, L

\*μ/ə, R

\*Long-V, R

end

end

LH

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| /kə1ri2/ | HD(*w*)⇒ | \*Stressed/ə⇒ | TROCHEE⇒ | HD(*ft*)⇒ | IAMB⇒ | PARSE(σ)⇐ | \*μ/ə⇒ | \*LONG-V⇒ |
| ☞ a. (kə1ˈri2) |  |  | W1112 |  | L | L | 1102 |  |
| ☞ b. (ˈkə1ri2) |  | W1102 | L |  | W1112 |  | 1102 |  |
| ☞ c. (ˈkə1)ri2 |  | W1102 | L1102 |  | W1102 | W1201 | 1102 |  |
| ☞ d. kə1ri2 | W0112 |  | L |  | L | L | L |  |
| ☞ e. kə1(ˈri2) |  |  | 0112 |  | 0112 | 0211 | 1102 |  |
| ☞ f. kə1(ˈri2) |  |  | W0112 |  | W0112 | 0211 | 1102 | L |
| ☞ g. kə1(ˈri:2) |  |  |  |  |  | 0211 | 1102 | 0112 |
| ☞ h. kə1(ˈri2) |  |  | W0112 |  | W0112 | 0211 | L | L |
| ☞ i. (ˈkə1)(ˈri2) |  | W1102 | W1112 |  | W1112 | L | 1102 | L |
| ☞ j. kə1(ˈri:2) |  |  |  |  |  | 0211 | W1102 | 0112 |
| ☞ k. kə1(ˈri:2) |  |  |  |  |  | 0211 |  | 0112 |
| ☞ l. (ˈkə1)(ˈri:2) |  | W1102 | W1102 |  | W1102 | L | W1102 | 0112 |
| ☞ m. kə1(ˈri:2) |  |  |  |  |  | 0211 |  | 0112 |
| ☞ n. (kə1)(ˈri:2) |  |  |  | W1102 |  | L |  | 0112 |

\*Different due to limitation of P-OT against DHS; actual output: nonmoraic schwa parsed as in (43)

(40) Final stressed syllable with a [ə:] preceded by a syllable containing a [ə], e.g. [ɭə(ˈʎə:t)] /ɭəʎət/ 🡪 [ɭə(ˈʎə:t)]

parse()

Input:

ɭəʎət

HD(w), R

\*Stressed/ə, R

Trochee, R

HD(ft), R

Iamb, R

Parse, L

\*μ/ə, R

\*Long-V, R

end

end

LH

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| /ɭə1ʎət2/ | HD(*w*)⇒ | \*Stressed/ə⇒ | TROCHEE⇒ | HD(*ft*)⇒ | IAMB⇒ | PARSE(σ)⇐ | \*μ/ə⇒ | \*LONG-V⇒ |
| ☞ a. (ɭə1ˈʎət2) |  | 0112 | W1112 |  | L | L | 1112 |  |
| ☞ b. (ˈɭə1ʎət2) |  | W1102 | L |  | W1112 | L | 1112 |  |
| ☞ c. (ˈɭə1)ʎət 2 |  | W1102 | W1102 |  | W1102 | W1201 | 1112 |  |
| ☞ d. ɭə1(ˈʎət2) |  | 0112 | 0112 |  | 0112 | 0211 | 1112 |  |
| ☞ e. ɭə1ʎət2 | W0112 | L | L |  | L | W1211 | 1112 |  |
| ☞ f. ɭə1(ˈʎət2) |  | 0112 | W0112 |  | W0112 | 0211 | 1112 | L |
| ☞ g. ɭə1(ˈʎə:t2) |  | 0112 |  |  |  | 0211 | 1112 | 0112 |
| ☞ h. ɭə1(ˈʎət2) |  | 0112 | W0112 |  | W0112 | 0211 | L0112 | L |
| ☞ i. (ˈɭə1)(ˈʎət2) |  | W1112 | W1112 |  | W1112 | L | 1112 | L |
| ☞ j. ɭə1(ˈʎə:t2) |  | 0112 |  |  |  | 0211 | W1112 | 0112 |
| ☞ k. ɭə1(ˈʎə:t2) |  | 0112 |  |  |  | 0211 | 0112 | 0112 |
| ☞ l. (ˈɭə1)(ˈʎə:t2) |  | W1112 | W1102 |  | W1102 | L | W1112 | 0112 |
| ☞ m. ɭə1(ˈʎə:t2) |  | 0112 |  |  |  | 0211 | 0112 | 0112 |
| ☞ n. (ɭə1)(ˈʎə:t2) |  | 0112 |  | W1102 |  | L | 0112 | 0112 |

(41) Default stress on penult, e.g. [ʎa(ˈvatsaq)] /ʎavatsaq/ 🡪 [ʎa(ˈvatsaq)]

parse()

Input:

ʎavatsaq

HD(w), R

Trochee, R

Iamb, R

Parse, L

end

end

LLL

(42) Final stressed syllable preceded by a syllable containing a [ə], e.g. [(kəˈri:)] /kəri/ 🡪 [(kəˈri:)]

parse()

Input:

kəri

HD(w), R

\*Stressed/ə, R

Trochee, R

HD(ft), R

Iamb, R

Parse, L

\*μ/ə, R

\*Long-V, R

end

end

LH

(43) Final stressed syllable with a [ə:] preceded by a syllable containing a [ə], e.g. [(ɭəˈʎə:t)] /ɭəʎət/ 🡪 [(ɭəˈʎə:t)]

parse()

Input:

ɭəʎət

HD(w), R

\*Stressed/ə, R

Trochee, R

HD(ft), R

Iamb, R

Parse, L

\*μ/ə, R

\*Long-V, R

end

end

LH

(44) *Schwa reduction in even-parity words*: /CV1CV2Cə3CV4/ 🡪 [(ˈCV1CV2)(Cə3ˈCV:4)]

parse(mode="CV")

Input:

4

3

Parse, L

\*Stressed/ə, R

Trochee, R

HD(ft), R

\*Long-V, R

\*μ/ə, R

Iamb, R

end

end

HHHH

(45) *Schwa reduction in even-parity words*: /CV1CV2Cə3Cə4/ 🡪 [(ˈCV1CV2)(Cə3ˈCə:4)]

parse(mode="CV")

Input:

4

3 4

Parse, L

\*Stressed/ə, R

Trochee, R

HD(ft), R

\*Long-V, R

\*μ/ə, R

Iamb, R

end

end

HHHH

(46) *No schwa reduction in odd-parity words*: /CV1CV2CV3Cə4CV5/🡪 [(ˈCV1CV2)(ˈCV3Cə4)(ˈCV:5)]

parse(mode="CV")

Input:

5

4

Parse, L

\*Stressed/ə, R

Trochee, R

HD(ft), R

\*Long-V, R

\*μ/ə, R

Iamb, R

end

end

HHHHH

(47) *No schwa reduction in odd-parity words*: /CV1CV2CV3Cə4Cə5/🡪 [(ˈCV1CV2)(ˈCV3Cə4)(ˈCə:5)]

parse(mode="CV")

Input:

5

4 5

Parse, L

\*Stressed/ə, R

Trochee, R

HD(ft), R

\*Long-V, R

\*μ/ə, R

Iamb, R

end

end

HHHHH

\*Different due to limitation of P-OT against DHS; actual output: lookahead effect exists as in (46)

(48) *Serial parsing with* *schwa reduction in odd-parity words*: /CV1CV2CV3Cə4CV5/🡪 [(ˈCV1CV2)(ˈCV3Cə4)(ˈCV:5)]

parse(mode="CV")

Input:

5

4

Parse, L

\*Stressed/ə, R

Trochee, R

HD(ft), R

\*Long-V, R

\*μ/ə, R

Iamb, R

end

end

HHHHH

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| /CV1CV2CV3Cə4CV5/ | PARSE(σ)⇐ | \*Stressed/ə⇒ | TROCHEE⇒ | HD(*ft*)⇒ | \*LONG-V⇒ | \*μ/ə⇒ | IAMB⇒ |
| ☞ a. CV1CV2CV3(Cə4ˈCV5) | 0504131211 |  | 0102031415 |  |  | 0102031405 |  |
| ☞ b. CV1CV2CV3(ˈCə4CV5) | 0504131211 | W0102031405 | L |  |  | 0102031405 | W0102031415 |
| ☞ c. CV1CV2CV3Cə4(ˈCV5) | W0514131211 |  | L0102030415 |  |  | 0102031405 | W0102030415 |
| ☞ d. CV1CV2(ˈCV3Cə4)CV5 | W1504031211 |  | L |  |  | 0102031405 | W0102131405 |
| *Optimal candidate in 2nd iteration*:  /CV1CV2CV3(Cə4ˈCV5)/ 🡪 [CV(ˈCV2CV3)(Cə4ˈCV5)] | | | | | | | |
| *Optimal candidate in 3rd iteration*:  /CV(ˈCV2CV3)(Cə4ˈCV5)/ 🡪 [(ˈCV1)(ˈCV2CV3)(Cə4ˈCV5)] | | | | | | | |
| ☞ e. (ˈCV1)(ˈCV2CV3)(Cə4ˈCV5) |  |  | W1102031415 |  | L | 0102031405 | 1112130405 |
| ☞ f. (ˈCV:1)(ˈCV2CV3)(Cə4ˈCV5) |  |  | 0102031415 |  | 1102030405 | 0102031405 | 0112130405 |
| ☞ g. (ˈCV1)(ˈCV2CV3)(Cə4ˈCV:5) |  |  | W1102031415 |  | L0102030415 | 0102031405 | L |
| ☞ h. (ˈCV1)(ˈCV2CV3)(Cə4ˈCV5) |  |  | W1102030415 |  | L | L | 1112130415 |
| ☞ i. (ˈCV:1)(ˈCV2CV3)(Cə4ˈCV5) |  |  | W0102031415 |  | 1102030405 | W0102031405 | L0112130405 |
| ☞ j. (ˈCV:1)(ˈCV2CV3)(Cə4ˈCV:5) |  |  | W0102031415 |  | W1102030415 | W0102031405 | L0112130405 |
| ☞ k. (ˈCV:1)(ˈCV2CV3)(Cə4ˈCV5) |  |  | 0102030415 |  | 1102030405 |  | 0112130415 |
| ☞ l. (ˈCV:1)(ˈCV2CV3)(Cə4ˈCV5) |  |  | W0102030415 |  | L1102030405 |  | W0112130415 |
| ☞ m. (ˈCV:1)(ˈCV2CV3)(Cə4ˈCV:5) |  |  |  |  | 1102030415 |  |  |

(Convergence in 7th iteration not shown)

\*Different due to limitation of P-OT against DHS; actual output: lookahead effect exists as in (47)

(49) *Serial parsing with* *schwa reduction in odd-parity words*: /CV1CV2CV3Cə4CV5/🡪 [(ˈCV1CV2)(ˈCV3Cə4)(ˈCə:5)]

parse(mode="CV")

Input:

5

4 5

Parse, L

\*Stressed/ə, R

Trochee, R

HD(ft), R

\*Long-V, R

\*μ/ə, R

Iamb, R

end

end

HHHHH

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| /CV1CV2CV3Cə4Cə5/ | PARSE(σ)⇐ | \*Stressed/ə⇒ | TROCHEE⇒ | HD(*ft*)⇒ | \*LONG-V⇒ | \*μ/ə⇒ | IAMB⇒ |
| ☞ a. CV1CV2CV3(Cə4ˈCə5) | 0504131211 | 0102030415 | 0102031415 |  |  | 0102031415 |  |
| ☞ b. CV1CV2CV3(ˈCə4Cə5) | 0504131211 | W0102031405 | L |  |  | 0102031415 | W0102031415 |
| ☞ c. CV1CV2CV3Cə4(ˈCə5) | W0514131211 | 0102030415 | L0102030415 |  |  | 0102031415 | W0102030415 |
| ☞ d. CV1CV2(ˈCV3Cə4)Cə5 | W1504031211 | L | L |  |  | 0102031415 | W0102131405 |
| *Optimal candidate in 2nd iteration*:  /CV1CV2CV3(Cə4ˈCə5)/ 🡪 [CV(ˈCV2CV3)(Cə4ˈCə5)] | | | | | | | |
| *Optimal candidate in 3rd iteration*:  /CV(ˈCV2CV3)(Cə4ˈCə5)/ 🡪 [(ˈCV1)(ˈCV2CV3)(Cə4ˈCə5)] | | | | | | | |
| ☞ e. (ˈCV1)(ˈCV2CV3)(Cə4ˈCə5) |  | 0102030415 | W1102031415 |  | L | 0102031415 | 1112130405 |
| ☞ f. (ˈCV:1)(ˈCV2CV3)(Cə4ˈCə5) |  | 0102030415 | 0102031415 |  | 1102030405 | 0102031415 | 0112130405 |
| ☞ g. (ˈCV1)(ˈCV2CV3)(Cə4ˈCə:5) |  | 0102030415 | W1102031415 |  | L0102030415 | 0102031415 | L |
| ☞ h. (ˈCV1)(ˈCV2CV3)(Cə4ˈCə5) |  | 0102030415 | W1102030415 |  | L | L0102030415 | 1112130415 |
| ☞ i. (ˈCV:1)(ˈCV2CV3)(Cə4ˈCə5) |  | 0102030415 | W0102031415 |  | 1102030405 | W0102031415 | L0112130405 |
| ☞ j. (ˈCV:1)(ˈCV2CV3)(Cə4ˈCə:5) |  | 0102030415 | W0102031415 |  | W1102030415 | W0102031415 | L0112130405 |
| ☞ k. (ˈCV:1)(ˈCV2CV3)(Cə4ˈCə5) |  | 0102030415 | 0102030415 |  | 1102030405 | 0102030415 | 0112130415 |
| ☞ l. (ˈCV:1)(ˈCV2CV3)(Cə4ˈCə5) |  | 0102030415 | W0102030415 |  | L1102030405 | 0102030415 | W0112130415 |
| ☞ m. (ˈCV:1)(ˈCV2CV3)(Cə4ˈCə:5) |  | 0102030415 |  |  | 1102030415 | 0102030415 |  |

(51) /wiɽimbuliɲ/ = /L1H2L3H4/🡪 [(ˈwiɽim)(ˌbuliɲ)] = [(ˈL1H2)(ˌL3H4)]

parse(mode="weight")

Input:

wiɽimbuliɲ

Trochee, R

Parse, R

Iamb, R

Parse, L

end

shortening

end

LHLH

\*Different due to limitation of P-OT against DHS; actual output: all syllables parsed as in (55)

(52) /delguna/ = /H1L2L3/ 🡪 [(ˈdelgu)na] = [(ˈH1L2)L3]

parse(mode="weight")

Input:

delguna

Trochee, R

Parse, R

Iamb, R

Parse, L

end

end

HLL

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| /H1L2L3/ | TROCHEE⇒ | PARSE(σ)⇒ | IAMB⇒ | PARSE(σ)⇐ |
| ☞ a. (ˈH1L2)L3 |  | 010213 | 111203 | 130201 |
| ☞ b. (H1ˈL2)L3 | W111203 | 010213 | L | 130201 |
| ☞ c. H1(ˈL2L3) |  | W110203 | W011213 | L030211 |
| ☞ d. (ˈH1)L2L3 |  | W011213 | L | W131201 |
| ☞ e. (ˈH1L2)L3 |  | 010213 | 111203 | 130201 |
| ☞ f. (ˈH1L2)(ˌL3) | W010213 | L | W111213 | L |

(53) /bunaɖug/ = /L1L2H3/ 🡪 [(ˈbuna)(ˌɖug)] = [(ˈL1L2)(ˈH3)]

parse(mode="weight")

Input:

bunaɖug

Trochee, R

Parse, R

Iamb, R

Parse, L

end

end

LLH

(55) /delguna/ = /H1L2L3/ 🡪 [(ˈdel)(ˌguna)] = [(ˈH1)(ˌL2L3)]

parse(mode="weight")

Input:

delguna

Trochee, R

Parse, R

Iamb, R

Parse, L

end

end

HLL

(56) /delguna/ = /H1L2L3/ 🡪 [(ˈdelgu)na] = [(ˈH1L2)L3]

parse(mode="weight")

Input:

delguna

Trochee, R

\*Clash, R

Parse, R

Iamb, R

Parse, L

end

shortening

end

HLL

(57) Weight-sensitivity: odd-numbered initial/medial heavy syllables in odd-parity words

/H1L2L3L4L5/ 🡪 [(ˈH1)(ˈL2L3)(ˈL4L5)]

parse(mode="weight")

Input:

5

Trochee, R

Parse, R

\*Clash, R

Iamb, R

Parse, L

end

end

HLLLL

/L1L2H3L4L5/ 🡪 [(ˈL1L2)(ˈH3)(ˈL4L5)]

parse(mode="weight")

Input:

5

Trochee, R

Parse, R

\*Clash, R

Iamb, R

Parse, L

end

end

LLHLL

\*Different due to limitation of P-OT against DHS; actual output: lookahead effect exists as (ˈH1L2)(ˈH3L4)(ˈH5)

/H1L2H3L4H5/ 🡪 [(ˈH1L2)(ˈH3)(ˈL4H5)]

parse(mode="weight")

Input:

5

Trochee, R

Parse, R

\*Clash, R

Iamb, R

Parse, L

end

end

HLHLH

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| /H1L2H3L4H5/ | TROCHEE⇒ | PARSE(σ)⇒ | \*CLASH⇒ | IAMB⇒ | PARSE(σ)⇐ |
| ☞ g. (ˈH1)(ˈL2H3)(ˈL4H5) |  |  | W1112030405 | W0112131405 |  |
| ☞ h. (ˈH1L2)(ˈH3L4)H5 |  | W0102030415 | L | W1112131405 | W1504030201 |
| ☞ i. (ˈH1L2)(ˈH3)(ˈL4H5) |  |  | 0102131405 | 0112031405 |  |

(58) No weight-sensitivity: Heavy syllables in even-parity words

/H1L2L3L4/ 🡪 [(ˈH1L2)(ˈL3L4)]

parse(mode="weight")

Input:

4

Trochee, R

Parse, R

\*Clash, R

Iamb, R

Parse, L

end

end

HLLL

/L1L2H3L4/ 🡪 [(ˈL1L2)(ˈH3L4)]

parse(mode="weight")

Input:

4

Trochee, R

Parse, R

\*Clash, R

Iamb, R

Parse, L

end

end

LLHL

/H1L2L3H4/ 🡪 [(ˈH1L2)(ˈL3H4)]

parse(mode="weight")

Input:

4

Trochee, R

Parse, R

\*Clash, R

Iamb, R

Parse, L

end

end

HLLH

(59) No weight-sensitivity: Even-numbered heavy syllable in odd-parity words /L1H2L3H4L5/ 🡪 [(ˈL1H2)(ˈL3H4)L5]

parse(mode="weight")

Input:

5

Trochee, R

Parse, R

\*Clash, R

Iamb, R

Parse, L

end

end

LHLHL

(60) Serial maximal parsing: No weight-sensitivity with odd-parity count

\*Different due to limitation of P-OT against DHS; actual output: continuation of the worse candidate from 1st step DHS as (ˈH1)(ˈL2L3)(ˈL4L5)

/H1L2L3L4L5/ *1st step* 🡪 [(ˈH1L2)L3L4L5]

parse(mode="weight")

Input:

5

Trochee, R

Parse, R

\*Clash, R

Iamb, R

Parse, L

end

end

HLLLL

\*Different due to limitation of P-OT against DHS; actual output: continuation of the worse candidate from 2nd step DHS as (ˈL1L2)(ˈH3)(ˈL4L5)

/(ˈL1L2)H3L4L/ *2nd step* 🡪 [(ˈL1L2)(ˈH3L4)L5]

parse(mode="weight")

Input:

5

Trochee, R

Parse, R

\*Clash, R

Iamb, R

Parse, L

end

end

LLHLL

\*Matching but not optimal due to limitation of P-OT and incomplete DHS in the demonstration; actual output: lookahead effect exists as in (57)-3

/(ˈH1L2)H3L4H5/ *2nd step* 🡪 [(ˈH1L2)(ˈH3L4)H5]

parse(mode="weight")

Input:

5

Trochee, R

Parse, R

\*Clash, R

Iamb, R

Parse, L

end

end

HLHLH

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| /H1L2L3L4L5/ *1st step* | TROCHEE⇒ | PARSE(σ)⇒ | \*CLASH⇒ | IAMB⇒ | PARSE(σ)⇐ |
| ☞ a. (ˈH1)L2L3L4L5 |  | W0112131415 |  | L | 1514131201 |
| ☞ b. (ˈH1L2)L3L4L5 |  | 0102131415 |  | W1112030405 | L1514130201 |
| /(ˈL1L2)H3L4L/ *2nd step* | TROCHEE⇒ | PARSE(σ)⇒ | \*CLASH⇒ | IAMB⇒ | PARSE(σ)⇐ |
| ☞ c. (ˈL1L2)(ˈH3L4)L5 |  | 0102030415 |  | 1112131405 | 1504030201 |
| ☞ d. (ˈL1L2)(ˈH3)L4L5 |  | W0102031415 |  | L1112030405 | W1514030201 |
| /(ˈH1L2)H3L4H5/ *2nd step* | TROCHEE⇒ | PARSE(σ)⇒ | \*CLASH⇒ | IAMB⇒ | PARSE(σ)⇐ |
| ☞ e. (ˈH1L2)(ˈH3L4)H5 |  | 0102030415 |  | 1112131405 | 1504030201 |
| ☞ f. (ˈH1L2)(ˈH3)L4H5 |  | W0102031415 |  | L1112030405 | W1514030201 |