

Die tetradische Stufe - Schließen innerhalb der Stufe

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$(a, u, a, u, u, a, u, a), ((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 41')), (None))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 42')), (('B \bullet C \bullet D \ 1'))))$
 $(a, u, a, u, n, a, n, a), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \supset D, D \cup E, B \cup E, 2N, 6A')), (None))$
 $(a, n, a, n, u, a, u, a), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \subset D, D \cup E, B \cup E, 3N, 7A')), (None))$
 $(a, n, a, n, n, a, n, a), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \cap D, D \cup E, B \cup E')), (('B \cup C, C \cup D, B \cap D'))))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 105')), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 106')), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, u, a), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \subset E, 5A')), (None))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \subset E, 5N')), (('B \bullet C \bullet D \ 1'))))$
 $(u, a, u, a, a, u, a, u), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 129')), (None))$
 $(u, a, u, a, a, u, a, u), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 130')), (None))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 145')), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \sqcup E, B \cup E, 1N, 2A')), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 133')), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \sqcup E, 1N, 3A')), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 149')), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \sqcup E, B \sqcup E, 1N')), (('B \bullet C \bullet D \ 1'))))$
 $(n, a, n, a, a, u, a, u), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \sqcap' D, D \cup E, B \cup E, 4A, 8A)), (None))$
 $(n, a, n, a, a, u, a, u), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \sqcap' D, D \cup E, B \cup E, 4A, 8N)), (None))$
 $(u, a, u, a, a, u, a, u), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 131')), (None))$
 $(u, a, u, a, a, n, a, n), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \sqcup D, D \cup E, B \cup E, 1N, 5A')), (None))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 147')), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 135')), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 151')), (('B \bullet C \bullet D \ 1'))))$
 $(n, a, n, a, a, u, a, u), (((('B \bullet C \bullet E \ 1'), ('C \bullet D \bullet E \ 1'), ('B \sqcap' D, D \cup E, B \cup E, 4N, 8A)), (None))$

$(a, a, a, a, a, a, u, a), (((B \bullet C \bullet E \ 17'), (C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \subset E, 5A, 7A')), (None))$
 $(a, a, a, a, a, a, u, a), (((B \bullet C \bullet E \ 17'), (C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \subset E, 5A, 7N')), (None))$
 $(a, a, a, a, a, a, a, a), (((B \bullet C \bullet E \ 17'), (C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \subset E, 5N, 7A')), ((B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a, a), (((B \bullet C \bullet E \ 17'), (C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \cap E')), ((B \bullet C \bullet D \ 1')))$
 $(a, u, a, a, a, a, n, a), (((B \bullet C \bullet E \ 17'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 41')), (None))$
 $(a, u, a, a, n, a, n, a), (((B \bullet C \bullet E \ 17'), (C \bullet D \bullet E \ 1'), (B \supset D, D \cup E, B \cup E, 2N, 6A')), (None))$
 $(a, a, a, a, a, a, n, a), (((B \bullet C \bullet E \ 17'), (C \bullet D \bullet E \ 1'), (B \cup D, D \subset E, B \subset E, 5A')), ((B \bullet C \bullet D \ 17')))$
 $(a, a, n, a, a, u, a, a), (((B \bullet C \bullet E \ 17'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 129')), (None))$
 $(a, a, n, a, a, u, a, a), (((B \bullet C \bullet E \ 17'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 130')), (None))$
 $(a, a, n, a, a, a, a, a), (((B \bullet C \bullet E \ 17'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 145')), ((B \bullet C \bullet D \ 33')))$
 $(a, a, n, a, a, a, a, a), (((B \bullet C \bullet E \ 17'), (C \bullet D \bullet E \ 1'), (B \cup D, D \sqcup E, B \cup E, 1N, 2A')), ((B \bullet C \bullet D \ 33')))$
 $(n, a, n, a, a, u, a, a), (((B \bullet C \bullet E \ 17'), (C \bullet D \bullet E \ 1'), (B \sqcap' D, D \cup E, B \cup E, 4A, 8A)), (None))$
 $(n, a, n, a, a, u, a, a), (((B \bullet C \bullet E \ 17'), (C \bullet D \bullet E \ 1'), (B \sqcap' D, D \cup E, B \cup E, 4A, 8N)), (None))$
 $(a, a, n, a, a, u, a, a), (((B \bullet C \bullet E \ 17'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 131')), (None))$
 $(a, a, n, a, a, a, a, a), (((B \bullet C \bullet E \ 17'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 147')), ((B \bullet C \bullet D \ 33')))$
 $(n, a, n, a, a, u, a, a), (((B \bullet C \bullet E \ 17'), (C \bullet D \bullet E \ 1'), (B \sqcap' D, D \cup E, B \cup E, 4N, 8A)), (None))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \sqcup E, B \cup E, 1A, 2A'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 1')), ((B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, u, a, a), (((B \cup C, C \sqcup E, B \cup E, 1A, 2A'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 2')), (None))$
 $(a, a, a, a, u, a, a, a), (((B \cup C, C \sqcup E, B \cup E, 1A, 2A'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 17')), (None))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \sqcup E, B \cup E, 1A, 2A'), (C \bullet D \bullet E \ 1'), (B \cup D, D \sqcup E, B \cup E, 1A, 2A')), ((B \bullet C \bullet D \ 1')))$
 $(a, u, a, a, a, a, a, a), (((B \cup C, C \sqcup E, B \cup E, 1A, 2A'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 5')), (None))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \sqcup E, B \cup E, 1A, 2A'), (C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcup E, 1A, 3A')), ((B \bullet C \bullet D \ 1')))$
 $(a, u, a, a, u, a, a, a), (((B \cup C, C \sqcup E, B \cup E, 1A, 2A'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 21')), (None))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \sqcup E, B \cup E, 1A, 2A'), (C \bullet D \bullet E \ 1'), (B \cup D, D \sqcup E, B \sqcup E, 1A')), ((B \bullet C \bullet D \ 1')))$
 $(u, a, a, a, a, a, a, a), (((B \cup C, C \sqcup E, B \cup E, 1A, 2A'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 65')), (None))$

(a, a, a, u, u, a, a, a), (((('B●C●E 65'), ('C●D●E 1'), ('B●D●E 9')), (None)))
(a, a, a, a, a, a, a, a), (((('B●C●E 65'), ('C●D●E 1'), ('B●D●E 10')), (('B●C●D 1'))))
(a, a, a, u, u, a, a, a), (((('B●C●E 65'), ('C●D●E 1'), ('B●D●E 25')), (None)))
(a, a, a, a, a, a, a, a), (((('B●C●E 65'), ('C●D●E 1'), ('B ∪ D, D ⊔ E, B ∪ E, 1A, 2N')), (('B●C●D 1'))))
(a, a, a, a, u, a, a, a), (((('B●C●E 65'), ('C●D●E 1'), ('B●D●E 73')), (None)))
(a, a, a, a, a, a, a, a), (((('B●C●E 65'), ('C●D●E 1'), ('B●D●E 74')), (('B●C●D 1'))))
(a, a, a, a, u, a, a, a), (((('B●C●E 65'), ('C●D●E 1'), ('B ∪ D, D ∪ E, B ⊃ E, 2N, 4A')), (None)))
(a, a, a, a, a, a, a, a), (((('B●C●E 65'), ('C●D●E 1'), ('B ∪ D, D ⊔ E, B ⊃ E, 2N')), (('B●C●D 1'))))
(a, a, a, a, a, a, a, a), (((('B●C●E 65'), ('C●D●E 1'), ('B ∪ D, D ∪ E, B ⊂ E, 5A, 7A')), (('B●C●D 1'))))
(a, a, a, a, a, a, a, a), (((('B●C●E 65'), ('C●D●E 1'), ('B ∪ D, D ∪ E, B ⊂ E, 5A, 7N')), (('B●C●D 1'))))
(a, a, a, a, a, a, a, a), (((('B●C●E 65'), ('C●D●E 1'), ('B ∪ D, D ∪ E, B ⊂ E, 5N, 7A')), (('B●C●D 1'))))
(a, a, a, a, a, a, a, a), (((('B●C●E 65'), ('C●D●E 1'), ('B ∪ D, D ∪ E, B ∩ E')), (('B●C●D 1'))))
(a, a, a, u, n, a, a, a), (((('B●C●E 65'), ('C●D●E 1'), ('B●D●E 41')), (None)))
(a, a, a, a, n, a, a, a), (((('B●C●E 65'), ('C●D●E 1'), ('B●D●E 105')), (('B●C●D 65'))))
(n, a, a, a, a, a, a, u), (((('B●C●E 65'), ('C●D●E 1'), ('B●D●E 129')), (None)))
(n, a, a, a, a, a, a, u), (((('B●C●E 65'), ('C●D●E 1'), ('B●D●E 130')), (None)))
(n, a, a, a, a, a, a, a), (((('B●C●E 65'), ('C●D●E 1'), ('B●D●E 145')), (('B●C●D 129'))))
(n, a, a, a, a, a, a, a), (((('B●C●E 65'), ('C●D●E 1'), ('B ∪ D, D ⊔ E, B ∪ E, 1N, 2A')), (('B●C●D 129'))))
(n, a, n, a, a, a, a, u), (((('B●C●E 65'), ('C●D●E 1'), (B ∩' D, D ∪ E, B ∪ E, 4A, 8A)), (None)))
(n, a, n, a, a, a, a, u), (((('B●C●E 65'), ('C●D●E 1'), (B ∩' D, D ∪ E, B ∪ E, 4A, 8N)), (None)))
(n, a, a, a, a, a, a, u), (((('B●C●E 65'), ('C●D●E 1'), ('B●D●E 131')), (None)))
(n, a, a, a, a, a, a, a), (((('B●C●E 65'), ('C●D●E 1'), ('B●D●E 147')), (('B●C●D 129'))))
(n, a, n, a, a, a, a, u), (((('B●C●E 65'), ('C●D●E 1'), (B ∩' D, D ∪ E, B ∪ E, 4N, 8A)), (None)))
(u, a, a, u, u, a, a, u), (((('B●C●E 66'), ('C●D●E 1'), ('B●D●E 1')), (None)))
(u, a, a, u, a, a, a, u), (((('B●C●E 66'), ('C●D●E 1'), ('B●D●E 2')), (None)))
(u, a, a, u, u, a, a, a), (((('B●C●E 66'), ('C●D●E 1'), ('B●D●E 17')), (None)))
(u, a, a, u, a, a, a, a), (((('B●C●E 66'), ('C●D●E 1'), ('B ∪ D, D ⊔ E, B ∪ E, 1A, 2A')), (None)))
(a, a, a, u, u, a, a, u), (((('B●C●E 66'), ('C●D●E 1'), ('B●D●E 5')), (None)))

(a, a, a, u, a, a, a, u),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \cup D, D \cup E, B \sqcup E, 1A, 3A'$)), (None))
 (a, a, a, u, u, a, a, a),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \bullet D \bullet E$ 21')), (None))
 (a, a, a, u, a, a, a, a),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \cup D, D \sqcup E, B \sqcup E, 1A'$)), (None))
 (u, a, a, a, u, a, a, u),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \bullet D \bullet E$ 65')), (None))
 (u, a, a, a, a, a, a, u),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \bullet D \bullet E$ 66')), (None))
 (u, a, a, a, u, a, a, a),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \cup D, D \cup E, B \supset E, 2A, 4A'$)), (None))
 (u, a, a, a, a, a, a, a),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \cup D, D \sqcup E, B \supset E, 2A'$)), (None))
 (a, a, a, a, u, a, a, u),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \cup D, D \supset E, B \cup E, 3A, 4A'$)), (None))
 (a, a, a, a, a, a, a, u),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \cup D, D \supset E, B \sqcup E, 3A'$)), (None))
 (a, a, a, a, u, a, a, a),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \cup D, D \supset E, B \supset E, 4A'$)), (None))
 (a, a, a, a, a, a, a, a),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \cup D, D \supset E, B \supset E'$)), ($B \bullet C \bullet D$ 1'))
 (u, a, a, a, a, a, a, n),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \bullet D \bullet E$ 3')), (None))
 (a, a, a, a, a, a, a, n),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \bullet D \bullet E$ 7')), ($B \bullet C \bullet D$ 2'))
 (u, a, a, a, a, a, a, n),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \bullet D \bullet E$ 67')), (None))
 (a, a, a, a, a, a, a, n),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \cup D, D \supset E, B \cup E, 3A, 4N'$)), ($B \bullet C \bullet D$ 2'))
 (a, a, a, u, n, a, a, a),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \bullet D \bullet E$ 33')), (None))
 (a, a, a, u, n, a, a, a),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \bullet D \bullet E$ 37')), (None))
 (a, a, a, a, n, a, a, a),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \bullet D \bullet E$ 97')), ($B \bullet C \bullet D$ 65'))
 (a, a, a, a, n, a, a, a),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \cup D, D \supset E, B \cup E, 3N, 4A'$)), ($B \bullet C \bullet D$ 65'))
 (a, a, a, n, u, a, a, a),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \bullet D \bullet E$ 9')), (None))
 (a, a, a, n, a, a, a, a),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \bullet D \bullet E$ 10')), ($B \bullet C \bullet D$ 3'))
 (a, a, a, n, u, a, a, a),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \bullet D \bullet E$ 25')), (None))
 (a, a, a, n, a, a, a, a),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \cup D, D \sqcup E, B \cup E, 1A, 2N'$)), ($B \bullet C \bullet D$ 3'))
 (a, a, a, n, n, a, a, a),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \bullet D \bullet E$ 41')), ($B \bullet C \bullet D$ 67'))
 (n, a, a, a, a, a, a, u),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \bullet D \bullet E$ 129')), (None))
 (n, a, a, a, a, a, a, u),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \bullet D \bullet E$ 130')), (None))
 (n, a, a, a, a, a, a, a),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \bullet D \bullet E$ 145')), ($B \bullet C \bullet D$ 129'))
 (n, a, a, a, a, a, a, a),((($B \bullet C \bullet E$ 66'), ($C \bullet D \bullet E$ 1'), ($B \cup D, D \sqcup E, B \cup E, 1N, 2A'$)), ($B \bullet C \bullet D$ 129'))

$(a, a, a, n, a, a, u, a), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \cup E, 5A, 6N')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \cup E, 5N, 6A')), (('B \bullet C \bullet D \ 1')))$
 $(a, u, a, u, u, a, u, u), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 9')), (None))$
 $(a, a, a, a, a, a, a, n), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 10')), (('B \bullet C \bullet D \ 2')))$
 $(a, u, a, u, u, a, u, a), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 25')), (None))$
 $(a, n, a, n, u, a, u, a), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \subset D, D \cup E, B \cup E, 3A, 7A')), (None))$
 $(a, n, a, n, u, a, u, a), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \subset D, D \cup E, B \cup E, 3A, 7N')), (None))$
 $(a, a, a, a, a, a, a, u), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 73')), (None))$
 $(a, a, a, a, a, a, a, n), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 74')), (('B \bullet C \bullet D \ 2')))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \supset E, 2N, 4A')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, u, a, a, u, u), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5A, 7A')), (None))$
 $(a, a, a, u, a, a, u, a), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5A, 7N')), (None))$
 $(a, a, a, a, a, a, a, u), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5N, 7A')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \cap E')), (('B \bullet C \bullet D \ 1')))$
 $(a, u, a, u, u, a, u, a), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 41')), (None))$
 $(a, u, a, u, n, a, n, a), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \supset D, D \cup E, B \cup E, 2N, 6A')), (None))$
 $(a, n, a, n, u, a, u, a), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \subset D, D \cup E, B \cup E, 3N, 7A')), (None))$
 $(a, n, a, n, n, a, n, a), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \cap D, D \cup E, B \cup E')), (('B \cup C, C \cup D, B \cap D')))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 105')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, u, a, a, u, a), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \subset E, 5A')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \subset E, 5N')), (('B \bullet C \bullet D \ 1')))$
 $(u, a, a, a, a, a, a, u), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 129')), (None))$
 $(u, a, a, a, a, a, a, n), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 130')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 145')), (('B \bullet C \bullet D \ 1')))$
 $(u, a, a, a, a, u, a, u), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 131')), (None))$
 $(u, a, a, a, a, n, a, n), ((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \sqcup D, D \cup E, B \cup E, 1N, 5A')), (None))$

$(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 147')), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E, 6A, 8A)), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \subset E, B \sqcap' E, 6A)), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, u), (((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup E, 7A, 8A)), (None)))$
 $(a, a, a, a, a, a, a, n), (((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup E, 7A, 8N)), (('B \bullet C \bullet D \ 2'))))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup E, 7N, 8A)), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, u), (((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \subset E, 7A)), (None)))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \subset E, 7N)), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \sqcap' E, 8A)), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 3'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \supset' E, B \supset' E)), (('B \bullet C \bullet D \ 1'))))$
 $(u, a, a, n, u, a, a, n), (((('B \sqcup C, C \cup E, B \cup E, 1A, 5A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 1')), (None)))$
 $(u, a, a, n, a, a, a, n), (((('B \sqcup C, C \cup E, B \cup E, 1A, 5A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 2')), (None)))$
 $(a, a, a, n, u, a, a, n), (((('B \sqcup C, C \cup E, B \cup E, 1A, 5A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 5')), (None)))$
 $(a, a, a, n, a, a, a, n), (((('B \sqcup C, C \cup E, B \cup E, 1A, 5A'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \cup E, 1A, 3A')), (('B \sqcup C, C \cup D, B \cup D, 1A, 5A'))))$
 $(u, a, a, n, a, a, a, n), (((('B \sqcup C, C \cup E, B \cup E, 1A, 5A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 3')), (None)))$
 $(u, a, a, n, a, n, a, n), (((('B \sqcup C, C \cup E, B \cup E, 1A, 5A'), ('C \bullet D \bullet E \ 1'), ('B \sqcup D, D \cup E, B \cup E, 1A, 5A')), (None)))$
 $(a, a, a, n, a, a, a, n), (((('B \sqcup C, C \cup E, B \cup E, 1A, 5A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 7')), (('B \sqcup C, C \cup D, B \cup D, 1A, 5A'))))$
 $(a, a, a, n, u, a, a, n), (((('B \sqcup C, C \cup E, B \cup E, 1A, 5A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 9')), (None)))$
 $(a, a, a, n, a, a, a, n), (((('B \sqcup C, C \cup E, B \cup E, 1A, 5A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 10')), (('B \sqcup C, C \cup D, B \cup D, 1A, 5A'))))$
 $(a, n, a, n, u, a, a, n), (((('B \sqcup C, C \cup E, B \cup E, 1A, 5A'), ('C \bullet D \bullet E \ 1'), ('B \subset D, D \cup E, B \cup E, 3A, 7A')), (None)))$
 $(a, a, a, n, a, a, a, n), (((('B \sqcup C, C \cup E, B \cup E, 1A, 5A'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5A, 7A')), (('B \sqcup C, C \cup D, B \cup D, 1A, 5A'))))$
 $(a, a, a, a, a, a, u, a), (((('B \bullet C \bullet E \ 19'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 1')), (None)))$
 $(a, a, a, a, u, a, u, a), (((('B \bullet C \bullet E \ 19'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 17')), (None)))$
 $(u, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 19'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 65')), (None)))$

$(a, a, a, a, a, n, a, n), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \sqcup D, D \cup E, B \cup E, 1A, 5A')), (('B \cup C, C \cup D, B \sqcup D, 1A, 3A'))))$
 $(a, a, a, n, a, n, u, a), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 7')), (None))$
 $(a, a, a, a, a, n, a, a), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 67')), (('B \bullet C \bullet D \ 5'))))$
 $(a, a, a, a, a, n, a, n), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \sqcup D, D \cup E, B \cup E, 1A, 5N')), (('B \cup C, C \cup D, B \sqcup D, 1A, 3A'))))$
 $(a, a, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 33')), (None))$
 $(a, a, a, n, a, a, u, a), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 37')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 97')), (('B \bullet C \bullet D \ 1'))))$
 $(a, n, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 9')), (None))$
 $(a, n, a, a, a, a, a, n), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 10')), (('B \bullet C \bullet D \ 10'))))$
 $(a, n, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 25')), (None))$
 $(a, n, a, n, a, a, u, a), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \subset D, D \cup E, B \cup E, 3A, 7A')), (None))$
 $(a, n, a, n, a, a, u, a), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \subset D, D \cup E, B \cup E, 3A, 7N')), (None))$
 $(a, n, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 41')), (None))$
 $(a, n, a, n, a, a, u, a), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \subset D, D \cup E, B \cup E, 3N, 7A')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 129')), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, n), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 130')), (('B \bullet C \bullet D \ 2'))))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 145')), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, n, a, a), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 131')), (('B \bullet C \bullet D \ 5'))))$
 $(a, a, a, a, a, n, a, n), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \sqcup D, D \cup E, B \cup E, 1N, 5A')), (('B \cup C, C \cup D, B \sqcup D, 1A, 3A'))))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 7'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \sqcap' E, 6A, 8A')), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, n, a, a, a, n), ((('B \sqcup C, C \cup E, B \sqcup E, 1A'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \sqcup E, 1A, 3A')), (('B \sqcup C, C \cup D, B \sqcup D, 1A, 5A'))))$
 $(a, a, a, n, a, n, a, n), ((('B \sqcup C, C \cup E, B \sqcup E, 1A'), ('C \bullet D \bullet E \ 1'), ('B \sqcup D, D \cup E, B \sqcup E, 1A')), (('B \sqcup C, C \cup D, B \sqcup D, 1A'))))$
 $(a, n, a, n, a, a, a, n), ((('B \sqcup C, C \cup E, B \sqcup E, 1A'), ('C \bullet D \bullet E \ 1'), ('B \subset D, D \cup E, B \sqcup E, 3A')), (('B \sqcup C, C \cup D, B \subset D, 5A'))))$
 $(a, a, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 23'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 1')), (None))$
 $(a, a, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 23'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 17')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 23'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 65')), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 23'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \supset E, 2A, 4A')), (('B \bullet C \bullet D \ 1'))))$

(a, a, a, a, a, n, u, a),(((('B•C•E 23'), ('C•D•E 1'), ('B•D•E 3')), (None))
 (a, a, a, a, a, n, a, a),(((('B•C•E 23'), ('C•D•E 1'), ('B•D•E 67')), (('B•C•D
 5'))))
 (a, a, a, a, a, a, n, a),(((('B•C•E 23'), ('C•D•E 1'), ('B•D•E 33')), (('B•C•D
 17'))))
 (a, n, a, a, a, a, u, a),(((('B•C•E 23'), ('C•D•E 1'), ('B•D•E 9')), (None))
 (a, n, a, a, a, a, u, a),(((('B•C•E 23'), ('C•D•E 1'), ('B•D•E 25')), (None))
 (a, n, a, a, a, a, n, a),(((('B•C•E 23'), ('C•D•E 1'), ('B•D•E 41')), (('B•C•D
 25'))))
 (u, a, a, u, u, a, a, u),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 1')), (None))
 (u, a, a, a, a, a, a, n),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 2')), (None))
 (u, a, a, u, u, a, a, a),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 17')), (None))
 (a, a, a, n, u, a, a, a),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 5')), (None))
 (a, a, a, n, u, a, a, a),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 21')), (None))
 (u, a, a, a, u, a, a, u),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 65')), (None))
 (u, a, a, a, a, a, a, n),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 66')), (None))
 (u, a, a, a, u, a, a, a),(((('B•C•E 67'), ('C•D•E 1'), ('B ∪ D, D ∪ E, B ⊃
 E, 2A, 4A')), (None))
 (u, a, a, u, a, a, a, u),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 3')), (None))
 (u, a, a, u, a, a, a, a),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 19')), (None))
 (a, a, a, n, a, a, a, a),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 7')), (('B•C•D
 3'))))
 (a, a, a, n, a, a, a, a),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 23')), (('B•C•D
 3'))))
 (u, a, a, a, a, a, a, u),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 67')), (None))
 (u, a, a, a, a, a, a, a),(((('B•C•E 67'), ('C•D•E 1'), ('B ∪ D, D ∪ E, B ⊃
 E, 2A, 4N')), (None))
 (a, a, a, u, n, a, a, a),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 33')), (None))
 (a, a, a, n, n, a, a, a),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 37')), (('B•C•D
 67'))))
 (a, a, a, a, n, a, a, a),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 97')), (('B•C•D
 65'))))
 (a, a, a, u, u, a, a, u),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 9')), (None))
 (a, a, a, a, a, a, a, n),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 10')), (('B•C•D
 2'))))
 (a, a, a, u, u, a, a, a),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 25')), (None))
 (a, a, a, a, u, a, a, u),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 73')), (None))
 (a, a, a, a, a, a, a, n),(((('B•C•E 67'), ('C•D•E 1'), ('B•D•E 74')), (('B•C•D
 2'))))
 (a, a, a, a, u, a, a, a),(((('B•C•E 67'), ('C•D•E 1'), ('B ∪ D, D ∪ E, B ⊃
 E, 2N, 4A')), (None))
 (a, a, a, u, a, a, a, u),(((('B•C•E 67'), ('C•D•E 1'), ('B ∪ D, D ∪ E, B ⊂
 E, 5A, 7A')), (None))
 (a, a, a, u, a, a, a, a),(((('B•C•E 67'), ('C•D•E 1'), ('B ∪ D, D ∪ E, B ⊂
 E, 5A, 7N')), (None))

$(a, a, a, a, a, a, a, u), (((B \bullet C \bullet E \ 67'), (C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \subset E, 5N, 7A')), (None))$
 $(a, a, a, a, a, a, a), (((B \bullet C \bullet E \ 67'), (C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \cap E')), (B \bullet C \bullet D \ 1'))$
 $(a, a, a, u, n, a, a, a), (((B \bullet C \bullet E \ 67'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 41')), (None))$
 $(a, a, a, a, n, a, a, a), (((B \bullet C \bullet E \ 67'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 105')), (B \bullet C \bullet D \ 65'))$
 $(n, a, a, a, a, a, a, u), (((B \bullet C \bullet E \ 67'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 129')), (None))$
 $(n, a, a, a, a, a, n), (((B \bullet C \bullet E \ 67'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 130')), (B \bullet C \bullet D \ 130'))$
 $(n, a, a, a, a, a, a), (((B \bullet C \bullet E \ 67'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 145')), (B \bullet C \bullet D \ 129'))$
 $(n, a, a, a, a, a, u), (((B \bullet C \bullet E \ 67'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 131')), (None))$
 $(n, a, a, a, a, a, a), (((B \bullet C \bullet E \ 67'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 147')), (B \bullet C \bullet D \ 129'))$
 $(u, a, a, n, u, a, a, n), (((B \sqcup C, C \cup E, B \cup E, 1A, 5N'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 1')), (None))$
 $(u, a, a, n, a, a, a, n), (((B \sqcup C, C \cup E, B \cup E, 1A, 5N'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 2')), (None))$
 $(a, a, a, n, u, a, a, n), (((B \sqcup C, C \cup E, B \cup E, 1A, 5N'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 5')), (None))$
 $(a, a, a, n, a, a, a, n), (((B \sqcup C, C \cup E, B \cup E, 1A, 5N'), (C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \subset E, 1A, 3A')), ((B \sqcup C, C \cup D, B \cup D, 1A, 5A'))$
 $(u, a, a, n, a, a, a, n), (((B \sqcup C, C \cup E, B \cup E, 1A, 5N'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 3')), (None))$
 $(a, a, a, n, a, a, a, n), (((B \sqcup C, C \cup E, B \cup E, 1A, 5N'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 7')), ((B \sqcup C, C \cup D, B \cup D, 1A, 5A'))$
 $(a, a, a, n, u, a, a, n), (((B \sqcup C, C \cup E, B \cup E, 1A, 5N'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 9')), (None))$
 $(a, a, a, n, a, a, a, n), (((B \sqcup C, C \cup E, B \cup E, 1A, 5N'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 10')), ((B \sqcup C, C \cup D, B \cup D, 1A, 5A'))$
 $(a, a, a, n, a, a, a, n), (((B \sqcup C, C \cup E, B \cup E, 1A, 5N'), (C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \subset E, 5A, 7A')), ((B \sqcup C, C \cup D, B \cup D, 1A, 5A'))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \cup E, B \supset E, 2A, 4N'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 1')), ((B \bullet C \bullet D \ 1'))$
 $(a, a, a, a, u, a, a, a), (((B \cup C, C \cup E, B \supset E, 2A, 4N'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 17')), (None))$
 $(u, a, a, a, a, a, a, a), (((B \cup C, C \cup E, B \supset E, 2A, 4N'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 65')), (None))$
 $(u, a, a, a, u, a, a, a), (((B \cup C, C \cup E, B \supset E, 2A, 4N'), (C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \supset E, 2A, 4A')), (None))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \cup E, B \supset E, 2A, 4N'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 3')), ((B \bullet C \bullet D \ 1'))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \cup E, B \supset E, 2A, 4N'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 19')), ((B \bullet C \bullet D \ 1'))$

$(a, u, a, a, n, a, n, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \supset D, D \cup E, B \cup E, 2N, 6A')), (None))$
 $(a, a, a, a, a, a, u, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \cup D, D \subset E, B \subset E, 5A')), (None))$
 $(u, a, u, a, a, u, u, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 129')), (None))$
 $(u, a, u, a, a, u, a, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 130')), (None))$
 $(a, a, a, a, a, a, n, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 145')), (B \bullet C \bullet D \ 17'))$
 $(a, a, a, a, a, a, u, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 133')), (None))$
 $(a, a, a, a, a, a, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcup E, 1N, 3A')), (B \bullet C \bullet D \ 1'))$
 $(a, a, a, a, a, a, n, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 149')), (B \bullet C \bullet D \ 17'))$
 $(n, a, n, a, a, u, a, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \sqcap' D, D \cup E, B \cup E, 4A, 8A)), (None))$
 $(n, a, n, a, a, u, a, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \sqcap' D, D \cup E, B \cup E, 4A, 8N)), (None))$
 $(u, a, u, a, a, u, u, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 131')), (None))$
 $(a, a, a, a, a, a, n, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 147')), (B \bullet C \bullet D \ 17'))$
 $(a, a, a, a, a, a, u, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 135')), (None))$
 $(a, a, a, a, a, a, n, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \bullet D \bullet E \ 151')), (B \bullet C \bullet D \ 17'))$
 $(n, a, n, a, a, u, a, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \sqcap' D, D \cup E, B \cup E, 4N, 8A)), (None))$
 $(a, a, u, a, a, a, u, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E, 6A, 8A)), (None))$
 $(a, a, u, a, a, a, a, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E, 6A, 8N)), (None))$
 $(a, a, a, a, a, a, u, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E, 6N, 8A)), (None))$
 $(a, a, a, a, a, a, a, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E)), (B \bullet C \bullet D \ 1'))$
 $(a, a, u, a, a, a, u, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \cup D, D \subset E, B \sqcap' E, 6A)), (None))$
 $(a, a, a, a, a, a, u, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \cup D, D \subset E, B \sqcap' E, 6N)), (None))$
 $(a, a, a, a, a, a, u, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup E, 7A, 8A)), (None))$
 $(a, a, a, a, a, a, a, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup E, 7A, 8N)), (B \bullet C \bullet D \ 1'))$
 $(a, a, a, a, a, a, n, a), (((B \bullet C \bullet E \ 33'), (C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup E, 7N, 8A)), (B \bullet C \bullet D \ 17'))$

$(a, n, a, n, a, a, u, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), ('B \subset D, D \cup E, B \cup E, 3A, 7N')), (None))$
 $(a, a, a, a, a, u, a, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 73')), (None))$
 $(a, a, a, a, a, n, a, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 74')), (('B \bullet C \bullet D \ 5')))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \supset E, 2N, 4A')), (('B \bullet C \bullet D \ 1')))$
 $(a, u, a, a, a, u, u, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5A, 7A')), (None))$
 $(a, u, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5A, 7N')), (None))$
 $(a, a, a, a, a, u, a, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5N, 7A')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \cap E')), (('B \bullet C \bullet D \ 1')))$
 $(a, u, a, u, a, a, u, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 41')), (None))$
 $(a, n, a, n, a, a, u, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), ('B \subset D, D \cup E, B \cup E, 3N, 7A')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 105')), (('B \bullet C \bullet D \ 1')))$
 $(a, u, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \subset E, 5A')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \subset E, 5N')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, u, a, a, u, a, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 129')), (None))$
 $(a, a, u, a, a, n, a, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 130')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 145')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, u, a, a, u, a, u), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 131')), (None))$
 $(a, a, u, a, a, n, a, n), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), ('B \sqcup D, D \cup E, B \cup E, 1N, 5A')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 147')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E, 6A, 8A)), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \subset E, B \sqcap' E, 6A)), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, u, a, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup E, 7A, 8A)), (None))$
 $(a, a, a, a, a, n, a, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup E, 7A, 8N)), (('B \bullet C \bullet D \ 5')))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup E, 7N, 8A)), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \subset E, 7A)), (None))$

$(a, a, a, a, a, n, a, a), ((('B \bullet C \bullet E \ 25'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 74')), (('B \bullet C \bullet D \ 5')))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 25'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \supset E, 2N, 4A')), (('B \bullet C \bullet D \ 1'))))$
 $(a, u, a, a, a, u, u, a), (((('B \bullet C \bullet E \ 25'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5A, 7A')), (None)))$
 $(a, u, a, a, a, a, u, a), (((('B \bullet C \bullet E \ 25'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5A, 7N')), (None)))$
 $(a, a, a, a, a, u, a, a), (((('B \bullet C \bullet E \ 25'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5N, 7A')), (None)))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 25'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \cap E')), (('B \bullet C \bullet D \ 1'))))$
 $(a, u, a, a, a, a, n, a), (((('B \bullet C \bullet E \ 25'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 41')), (None)))$
 $(a, u, a, a, a, a, n, a), (((('B \bullet C \bullet E \ 25'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \subset E, 5A')), (None)))$
 $(a, a, n, a, a, u, a, a), (((('B \bullet C \bullet E \ 25'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 129')), (None)))$
 $(a, a, n, a, a, a, n, a, a), (((('B \bullet C \bullet E \ 25'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 130')), (('B \bullet C \bullet D \ 37'))))$
 $(a, a, n, a, a, a, a, a), (((('B \bullet C \bullet E \ 25'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 145')), (('B \bullet C \bullet D \ 33'))))$
 $(a, a, n, a, a, u, a, a), (((('B \bullet C \bullet E \ 25'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 131')), (None)))$
 $(a, a, n, a, a, a, a, a), (((('B \bullet C \bullet E \ 25'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 147')), (('B \bullet C \bullet D \ 33'))))$
 $(a, a, a, a, a, a, a, a), (((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 1')), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, n, a, a), (((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 2')), (('B \bullet C \bullet D \ 5'))))$
 $(a, a, a, a, a, a, a, a), (((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 17')), (('B \bullet C \bullet D \ 1'))))$
 $(a, n, a, a, a, a, a, a), (((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 5')), (('B \bullet C \bullet D \ 9'))))$
 $(a, n, a, a, a, a, a, a), (((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 21')), (('B \bullet C \bullet D \ 9'))))$
 $(a, a, a, a, a, a, a, a), (((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 65')), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, n, a, a), (((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 66')), (('B \bullet C \bullet D \ 5'))))$
 $(a, a, a, a, a, a, a, a), (((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \supset E, 2A, 4A')), (('B \bullet C \bullet D \ 1'))))$
 $(a, n, u, a, a, n, u, a), (((('B \subset C, C \cup E, B \cup E, 3A, 7A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 1')), (None)))$
 $(a, n, u, a, a, n, a, a), (((('B \subset C, C \cup E, B \cup E, 3A, 7A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 2')), (None)))$
 $(a, n, a, a, a, n, u, a), (((('B \subset C, C \cup E, B \cup E, 3A, 7A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 5')), (None)))$

[illegible]

$(a, n, a, n, a, a, u, a), (((B \cup C, C \cup E, B \subset E, 5A, 7A'), (C \bullet D \bullet E \ 1'),$
 $(B \subset D, D \cup E, B \cup E, 3N, 7A')), (None))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \cup E, B \subset E, 5A, 7A'), (C \bullet D \bullet E \ 1'),$
 $(B \bullet D \bullet E \ 105'), ((B \bullet C \bullet D \ 1'))))$
 $(a, u, a, u, a, a, u, a), (((B \cup C, C \cup E, B \subset E, 5A, 7A'), (C \bullet D \bullet E \ 1'),$
 $(B \cup D, D \subset E, B \subset E, 5A')), (None))$
 $(a, n, a, n, a, a, u, a), (((B \cup C, C \cup E, B \subset E, 5A, 7A'), (C \bullet D \bullet E \ 1'),$
 $(B \subset D, D \subset E, B \subset E')), (None))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \cup E, B \subset E, 5A, 7A'), (C \bullet D \bullet E \ 1'),$
 $(B \cup D, D \subset E, B \subset E, 5N')), ((B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \cup E, B \subset E, 5A, 7A'), (C \bullet D \bullet E \ 1'),$
 $(B \bullet D \bullet E \ 129'), ((B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \cup E, B \subset E, 5A, 7A'), (C \bullet D \bullet E \ 1'),$
 $(B \bullet D \bullet E \ 145'), ((B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, u, a, u), (((B \cup C, C \cup E, B \subset E, 5A, 7A'), (C \bullet D \bullet E \ 1'),$
 $(B \bullet D \bullet E \ 131'), (None)))$
 $(a, a, a, a, a, n, a, n), (((B \cup C, C \cup E, B \subset E, 5A, 7A'), (C \bullet D \bullet E \ 1'),$
 $(B \sqcup D, D \cup E, B \cup E, 1N, 5A')), ((B \cup C, C \cup D, B \sqcup D, 1A, 3A'))))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \cup E, B \subset E, 5A, 7A'), (C \bullet D \bullet E \ 1'),$
 $(B \bullet D \bullet E \ 147'), ((B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \cup E, B \subset E, 5A, 7A'), (C \bullet D \bullet E \ 1'),$
 $(B \cup D, D \cup E, B \sqcap' E, 6A, 8A)), ((B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \cup E, B \subset E, 5A, 7A'), (C \bullet D \bullet E \ 1'),$
 $(B \cup D, D \subset E, B \sqcap' E, 6A)), ((B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \cup E, B \subset E, 5A, 7A'), (C \bullet D \bullet E \ 1'),$
 $(B \cup D, D \sqcap' E, B \cup E, 7A, 8A)), ((B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \cup E, B \subset E, 5A, 7A'), (C \bullet D \bullet E \ 1'),$
 $(B \cup D, D \sqcap' E, B \cup E, 7N, 8A)), ((B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, u, a, u), (((B \cup C, C \cup E, B \subset E, 5A, 7A'), (C \bullet D \bullet E \ 1'),$
 $(B \cup D, D \sqcap' E, B \subset E, 7A)), (None)))$
 $(a, a, a, a, a, n, a, n), (((B \cup C, C \cup E, B \subset E, 5A, 7A'), (C \bullet D \bullet E \ 1'),$
 $(B \sqcup D, D \sqcap' E, B \subset E)), ((B \cup C, C \cup D, B \sqcup D, 1A, 3A'))))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \cup E, B \subset E, 5A, 7A'), (C \bullet D \bullet E \ 1'),$
 $(B \cup D, D \sqcap' E, B \subset E, 7N)), ((B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \cup E, B \subset E, 5A, 7A'), (C \bullet D \bullet E \ 1'),$
 $(B \cup D, D \sqcap' E, B \sqcap' E, 8A)), ((B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \cup E, B \subset E, 5A, 7A'), (C \bullet D \bullet E \ 1'),$
 $(B \cup D, D \sqsupset' E, B \sqsupset' E)), ((B \bullet C \bullet D \ 1'))))$
 $(a, a, a, n, a, a, a, n), (((B \sqcup C, C \cup E, B \subset E, 5A'), (C \bullet D \bullet E \ 1'), (B \cup$
 $D, D \cup E, B \subset E, 5A, 7A')), ((B \sqcup C, C \cup D, B \sqcup D, 1A, 5A'))))$
 $(a, a, a, n, a, n, a, n), (((B \sqcup C, C \cup E, B \subset E, 5A'), (C \bullet D \bullet E \ 1'), (B \sqcup$
 $D, D \cup E, B \subset E, 5A')), ((B \sqcup C, C \cup D, B \sqcup D, 1A'))))$
 $(a, n, a, n, a, a, a, n), (((B \sqcup C, C \cup E, B \subset E, 5A'), (C \bullet D \bullet E \ 1'), (B \subset$
 $D, D \cup E, B \subset E, 7A')), ((B \sqcup C, C \cup D, B \subset D, 5A'))))$
 $(a, a, a, a, a, a, u, a), (((B \cup C, C \cup E, B \subset E, 5A, 7N'), (C \bullet D \bullet E \ 1'),$
 $(B \bullet D \bullet E \ 1')), (None))$

$(a, a, a, a, a, a, u, a), ((('B \cup C, C \cup E, B \subset E, 5A, 7N'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 17')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \cup C, C \cup E, B \subset E, 5A, 7N'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 65')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a, a), ((('B \cup C, C \cup E, B \subset E, 5A, 7N'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \supset E, 2A, 4A')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, u, u, a), ((('B \cup C, C \cup E, B \subset E, 5A, 7N'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 3')), (None))$
 $(a, a, a, a, a, a, u, a), ((('B \cup C, C \cup E, B \subset E, 5A, 7N'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 19')), (None))$
 $(a, a, a, a, u, a, a, a), ((('B \cup C, C \cup E, B \subset E, 5A, 7N'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 67')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \cup C, C \cup E, B \subset E, 5A, 7N'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \supset E, 2A, 4N')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, n, a), ((('B \cup C, C \cup E, B \subset E, 5A, 7N'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 33')), (('B \bullet C \bullet D \ 17')))$
 $(a, a, a, a, a, a, n, a), ((('B \cup C, C \cup E, B \subset E, 5A, 7N'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \cup E, 5A, 6A')), (('B \bullet C \bullet D \ 17')))$
 $(a, u, a, a, a, a, u, a), ((('B \cup C, C \cup E, B \subset E, 5A, 7N'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 9')), (None))$
 $(a, u, a, a, a, a, u, a), ((('B \cup C, C \cup E, B \subset E, 5A, 7N'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 25')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \cup C, C \cup E, B \subset E, 5A, 7N'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 73')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a, a), ((('B \cup C, C \cup E, B \subset E, 5A, 7N'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \supset E, 2N, 4A')), (('B \bullet C \bullet D \ 1')))$
 $(a, u, a, a, a, u, u, a), ((('B \cup C, C \cup E, B \subset E, 5A, 7N'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5A, 7A')), (None))$
 $(a, u, a, a, a, a, u, a), ((('B \cup C, C \cup E, B \subset E, 5A, 7N'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5A, 7N')), (None))$
 $(a, a, a, a, a, u, a, a), ((('B \cup C, C \cup E, B \subset E, 5A, 7N'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5N, 7A')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \cup C, C \cup E, B \subset E, 5A, 7N'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \cap E')), (('B \bullet C \bullet D \ 1')))$
 $(a, u, a, a, a, a, n, a), ((('B \cup C, C \cup E, B \subset E, 5A, 7N'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 41')), (None))$
 $(a, u, a, a, a, a, n, a), ((('B \cup C, C \cup E, B \subset E, 5A, 7N'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \subset E, 5A')), (None))$
 $(a, n, a, a, a, n, u, a), ((('B \subset C, C \cup E, B \subset E, 7A'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5A, 7A')), (None))$
 $(a, n, a, a, a, n, a, n), ((('B \subset C, C \cup E, B \subset E, 7A'), ('C \bullet D \bullet E \ 1'), ('B \sqcup D, D \cup E, B \subset E, 5A')), (('B \subset C, C \cup D, B \sqcup D, 3A')))$
 $(a, n, a, n, a, n, u, a), ((('B \subset C, C \cup E, B \subset E, 7A'), ('C \bullet D \bullet E \ 1'), ('B \subset D, D \cup E, B \subset E, 7A')), (None))$
 $(a, n, a, n, a, n, a, n), ((('B \sqsubset C, C \cup E, B \sqsubset E'), ('C \bullet D \bullet E \ 1'), ('B \sqsubset D, D \cup E, B \sqsubset E')), (('B \sqsubset C, C \cup D, B \sqsubset D')))$

$(a, a, n, a, a, a, a, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \subset E, B \cup E, 5N, 6A')), (('B \bullet C \bullet D \ 33')))$
 $(a, u, a, a, a, u, u, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 9')), (None))$
 $(a, a, a, a, a, n, a, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 10')), (('B \bullet C \bullet D \ 5')))$
 $(a, u, a, a, a, a, n, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 25')), (None))$
 $(a, u, a, a, a, u, u, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \subset E, 5A, 7A')), (None))$
 $(a, u, a, a, a, a, n, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \subset E, 5A, 7N')), (None))$
 $(a, u, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 41')), (None))$
 $(a, u, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \subset E, B \subset E, 5A')), (None))$
 $(a, a, u, a, a, u, u, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 129')), (None))$
 $(a, a, u, a, a, n, a, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 130')), (None))$
 $(a, a, a, a, a, a, n, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 145')), (('B \bullet C \bullet D \ 17')))$
 $(a, a, u, a, a, u, u, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 131')), (None))$
 $(a, a, a, a, a, a, n, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 147')), (('B \bullet C \bullet D \ 17')))$
 $(a, a, u, a, a, a, u, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E, 6A, 8A)), (None))$
 $(a, a, u, a, a, a, u, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \subset E, B \sqcap' E, 6A)), (None))$
 $(a, a, a, a, a, u, u, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup E, 7A, 8A)), (None))$
 $(a, a, a, a, a, n, a, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup E, 7A, 8N)), (('B \bullet C \bullet D \ 5')))$
 $(a, a, a, a, a, a, n, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup E, 7N, 8A)), (('B \bullet C \bullet D \ 17')))$
 $(a, a, a, a, a, u, u, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \subset E, 7A)), (None))$
 $(a, a, a, a, a, a, n, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \subset E, 7N)), (('B \bullet C \bullet D \ 17')))$
 $(a, a, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \sqcap' E, 8A)), (None))$
 $(a, a, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 41'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqsupset' E, B \sqsupset' E)), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 42'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 1')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, n, a, a), ((('B \bullet C \bullet E \ 42'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 2')), (('B \bullet C \bullet D \ 5')))$
 $(a, n, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 42'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 5')), (('B \bullet C \bullet D \ 9')))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 42'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 33')), (('B \bullet C \bullet D \ 1')))$

$(a, n, a, a, a, n, a, a), ((('B \subset C, C \cup E, B \cup E, 3N, 7A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 10'), (('B \subset C, C \cup D, B \cup D, 3A, 7A'))))$
 $(a, n, a, a, a, n, u, a), ((('B \subset C, C \cup E, B \cup E, 3N, 7A'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5A, 7A')), (None))$
 $(a, n, a, a, a, n, a, a), ((('B \subset C, C \cup E, B \cup E, 3N'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \cup E, 1A, 3A')), (('B \subset C, C \cup D, B \cup D, 3A, 7A'))))$
 $(a, n, n, a, a, n, n, a), ((('B \cap C, C \cup E, B \cup E'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 1'), (('B \cap C, C \cup D, B \cup D'))))$
 $(a, n, n, a, a, n, n, a), ((('B \cap C, C \cup E, B \cup E'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 3'), (('B \cap C, C \cup D, B \cup D'))))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 105'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 1'), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, n, a, a, a, a, a), ((('B \bullet C \bullet E \ 105'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 65'), (('B \bullet C \bullet D \ 33'))))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 105'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 3'), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, n, a, a, a, a, a), ((('B \bullet C \bullet E \ 105'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 67'), (('B \bullet C \bullet D \ 33'))))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 105'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 9'), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 105'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5A, 7A'), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 106'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 1'), (('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, u, a), ((('B \cup C, C \subset E, B \subset E, 5A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 1'), (None)))$
 $(a, a, a, a, a, n, a), ((('B \cup C, C \subset E, B \subset E, 5A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 17'), (('B \bullet C \bullet D \ 17'))))$
 $(a, a, a, a, a, u, u, a), ((('B \cup C, C \subset E, B \subset E, 5A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 3'), (None)))$
 $(a, a, a, a, a, n, a), ((('B \cup C, C \subset E, B \subset E, 5A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 19'), (('B \bullet C \bullet D \ 17'))))$
 $(a, a, a, a, a, a, u, a), ((('B \cup C, C \subset E, B \subset E, 5A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 33'), (None)))$
 $(a, a, a, a, a, a, u, a), ((('B \cup C, C \subset E, B \subset E, 5A'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \cup E, 5A, 6A'), (None)))$
 $(a, u, a, a, a, a, u, a), ((('B \cup C, C \subset E, B \subset E, 5A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 9'), (None)))$
 $(a, u, a, a, a, n, a), ((('B \cup C, C \subset E, B \subset E, 5A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 25'), (None)))$
 $(a, u, a, a, a, u, u, a), ((('B \cup C, C \subset E, B \subset E, 5A'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5A, 7A'), (None)))$
 $(a, u, a, a, a, a, n, a), ((('B \cup C, C \subset E, B \subset E, 5A'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5A, 7N'), (None)))$
 $(a, u, a, a, a, a, u, a), ((('B \cup C, C \subset E, B \subset E, 5A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 41'), (None)))$

$(a, a, a, a, n, a, a, a), ((('B \bullet C \bullet E \ 129'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 149')),$
 $((('B \bullet C \bullet D \ 65')))$
 $(n, a, n, a, a, a, a, u), (((('B \bullet C \bullet E \ 129'), ('C \bullet D \bullet E \ 1'), (B \sqcap' D, D \cup E, B \cup$
 $E, 4A, 8A))), (None))$
 $(n, a, n, a, a, a, a, u), (((('B \bullet C \bullet E \ 129'), ('C \bullet D \bullet E \ 1'), (B \sqcap' D, D \cup E, B \cup$
 $E, 4A, 8N))), (None))$
 $(u, a, u, a, a, a, a, u), (((('B \bullet C \bullet E \ 129'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 131')),$
 $(None))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 129'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 135')),$
 $((('B \bullet C \bullet D \ 1')))$
 $(n, a, n, a, a, a, a, u), (((('B \bullet C \bullet E \ 129'), ('C \bullet D \bullet E \ 1'), (B \sqcap' D, D \cup E, B \cup$
 $E, 4N, 8A))), (None))$
 $(u, a, a, a, u, a, a, a), (((('B \bullet C \bullet E \ 129'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap'$
 $E, 6A, 8A))), (None))$
 $(u, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 129'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap'$
 $E, 6A, 8N))), (None))$
 $(a, a, a, a, u, a, a, a), (((('B \bullet C \bullet E \ 129'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap'$
 $E, 6N, 8A))), (None))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 129'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E))),$
 $((('B \bullet C \bullet D \ 1')))$
 $(u, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 129'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \subset E, B \sqcap'$
 $E, 6A))), (None))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 129'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \subset E, B \sqcap'$
 $E, 6N))), ((('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, u, a, a, a), (((('B \bullet C \bullet E \ 129'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup$
 $E, 7A, 8A))), (None))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 129'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup$
 $E, 7A, 8N))), ((('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, n, a, a, a), (((('B \bullet C \bullet E \ 129'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup$
 $E, 7N, 8A))), ((('B \bullet C \bullet D \ 65')))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 129'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \subset$
 $E, 7A))), ((('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, u, a, a, a), (((('B \bullet C \bullet E \ 129'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \sqcap'$
 $E, 8A))), (None))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 129'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \sqcap'$
 $E, 8N))), ((('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a, a), (((('B \bullet C \bullet E \ 129'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqsupset' E, B \sqsupset'$
 $E))), ((('B \bullet C \bullet D \ 1')))$
 $(u, a, a, u, u, a, a, u), (((('B \bullet C \bullet E \ 130'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 1')), (None))$
 $(u, a, a, u, a, a, a, u), (((('B \bullet C \bullet E \ 130'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 2')), (None))$
 $(a, a, a, u, n, a, a, a), (((('B \bullet C \bullet E \ 130'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 17')), (None))$
 $(a, a, a, u, u, a, a, u), (((('B \bullet C \bullet E \ 130'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 5')), (None))$
 $(a, a, a, u, a, a, a, u), (((('B \bullet C \bullet E \ 130'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \sqcup$
 $E, 1A, 3A'))), (None))$
 $(a, a, a, u, n, a, a, a), (((('B \bullet C \bullet E \ 130'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 21')), (None))$
 $(n, a, a, a, a, a, a, u), (((('B \bullet C \bullet E \ 130'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 65')), (None))$

(n, a, a, a, a, a, a, u),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 66')), (None))
 (u, a, a, a, a, a, a, n),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 3')), (None))
 (a, a, a, a, a, a, a, n),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 7')), (('B●C●D
 2'))))
 (n, a, a, a, a, a, a, n),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 67')),
 (('B●C●D 130'))))
 (u, a, a, u, u, a, a, a),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 33')), (None))
 (u, a, a, u, a, a, a, a),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 34')), (None))
 (a, a, a, u, u, a, a, a),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 37')), (None))
 (a, a, a, u, a, a, a, a),(((('B●C●E 130'), ('C●D●E 1'), ('B ∪ D, D ∪ E, B ⊔
 E, 1A, 3N')), (None))
 (n, a, a, a, a, a, a, a),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 97')),
 (('B●C●D 129'))))
 (n, a, a, a, a, a, a, a),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 98')),
 (('B●C●D 129'))))
 (a, a, a, n, u, a, a, a),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 9')), (None))
 (a, a, a, n, a, a, a, a),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 10')),
 (('B●C●D 3'))))
 (a, a, a, n, n, a, a, a),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 25')),
 (('B●C●D 67'))))
 (a, a, a, n, u, a, a, a),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 41')), (None))
 (a, a, a, n, a, a, a, a),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 42')),
 (('B●C●D 3'))))
 (u, a, a, a, u, a, a, u),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 129')),
 (None))
 (u, a, a, a, a, a, a, u),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 130')),
 (None))
 (a, a, a, a, n, a, a, a),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 145')),
 (('B●C●D 65'))))
 (a, a, a, a, u, a, a, u),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 133')),
 (None))
 (a, a, a, a, a, a, a, u),(((('B●C●E 130'), ('C●D●E 1'), ('B ∪ D, D ∪ E, B ⊔
 E, 1N, 3A')), (None))
 (a, a, a, a, n, a, a, a),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 149')),
 (('B●C●D 65'))))
 (u, a, a, a, a, a, a, n),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 131')),
 (None))
 (a, a, a, a, a, a, a, n),(((('B●C●E 130'), ('C●D●E 1'), ('B●D●E 135')),
 (('B●C●D 2'))))
 (u, a, a, a, u, a, a, a),(((('B●C●E 130'), ('C●D●E 1'), (B ∪ D, D ∪ E, B ⊔'
 E, 6A, 8A)), (None))
 (u, a, a, a, a, a, a, a),(((('B●C●E 130'), ('C●D●E 1'), (B ∪ D, D ∪ E, B ⊔'
 E, 6A, 8N)), (None))
 (a, a, a, a, u, a, a, a),(((('B●C●E 130'), ('C●D●E 1'), (B ∪ D, D ∪ E, B ⊔'
 E, 6N, 8A)), (None))

(a, a, a, a, n, a, n, a), (((('B•C•E 145'), ('C•D•E 1'), ('B ⊃ D, D ⊃ E, B ⊃ E, 2N, 6A')), ((('B ⊃ C, C ⊃ D, B ⊃ D, 2A, 4A'))))

(a, a, a, a, a, n, a), (((('B•C•E 145'), ('C•D•E 1'), ('B ⊃ D, D ⊃ E, B ⊃ E, 5A')), ((('B•C•D 17'))))

(a, a, n, a, a, a, a), (((('B•C•E 145'), ('C•D•E 1'), ('B•D•E 129')), ((('B•C•D 33'))))

(a, a, n, a, a, a, a), (((('B•C•E 145'), ('C•D•E 1'), ('B•D•E 130')), ((('B•C•D 33'))))

(a, a, n, a, n, a, a), (((('B•C•E 145'), ('C•D•E 1'), ('B•D•E 145')), ((('B•C•D 97'))))

(n, a, n, a, a, a, a), (((('B•C•E 145'), ('C•D•E 1'), (B ⊃ D, D ⊃ E, B ⊃ E, 4A, 8A)), ((('B ⊃ C, C ⊃ D, B ⊃ D, 6A, 8A'))))

(n, a, n, a, a, a, a), (((('B•C•E 145'), ('C•D•E 1'), (B ⊃ D, D ⊃ E, B ⊃ E, 4A, 8N)), ((('B ⊃ C, C ⊃ D, B ⊃ D, 6A, 8A'))))

(a, a, n, a, a, a, a), (((('B•C•E 145'), ('C•D•E 1'), ('B•D•E 131')), ((('B•C•D 33'))))

(n, a, n, a, a, a, a), (((('B•C•E 145'), ('C•D•E 1'), (B ⊃ D, D ⊃ E, B ⊃ E, 4N, 8A)), ((('B ⊃ C, C ⊃ D, B ⊃ D, 6A, 8A'))))

(a, a, a, a, a, a, a), (((('B ⊃ C, C ⊃ E, B ⊃ E, 1N, 2A'), ('C•D•E 1'), ('B•D•E 1')), ((('B•C•D 1'))))

(a, a, a, a, a, a, a), (((('B ⊃ C, C ⊃ E, B ⊃ E, 1N, 2A'), ('C•D•E 1'), ('B•D•E 2')), ((('B•C•D 1'))))

(a, a, a, a, n, a, a), (((('B ⊃ C, C ⊃ E, B ⊃ E, 1N, 2A'), ('C•D•E 1'), ('B•D•E 17')), ((('B•C•D 65'))))

(a, a, a, a, a, a, a), (((('B ⊃ C, C ⊃ E, B ⊃ E, 1N, 2A'), ('C•D•E 1'), ('B•D•E 5')), ((('B•C•D 1'))))

(a, a, a, a, a, a, a), (((('B ⊃ C, C ⊃ E, B ⊃ E, 1N, 2A'), ('C•D•E 1'), ('B ⊃ D, D ⊃ E, B ⊃ E, 1A, 3A')), ((('B•C•D 1'))))

(a, a, a, a, n, a, a), (((('B ⊃ C, C ⊃ E, B ⊃ E, 1N, 2A'), ('C•D•E 1'), ('B•D•E 21')), ((('B•C•D 65'))))

(n, a, a, a, a, a, a), (((('B ⊃ C, C ⊃ E, B ⊃ E, 1N, 2A'), ('C•D•E 1'), ('B•D•E 65')), ((('B•C•D 129'))))

(n, a, a, a, a, a, a), (((('B ⊃ C, C ⊃ E, B ⊃ E, 1N, 2A'), ('C•D•E 1'), ('B•D•E 66')), ((('B•C•D 129'))))

(a, a, a, a, a, a, a), (((('B•C•E 133'), ('C•D•E 1'), ('B•D•E 1')), ((('B•C•D 1'))))

(a, a, a, a, a, a, u), (((('B•C•E 133'), ('C•D•E 1'), ('B•D•E 2')), (None)))

(a, a, a, u, a, a, a), (((('B•C•E 133'), ('C•D•E 1'), ('B•D•E 5')), (None)))

(a, a, a, a, a, a, a), (((('B•C•E 133'), ('C•D•E 1'), ('B ⊃ D, D ⊃ E, B ⊃ E, 1A, 3A')), ((('B•C•D 1'))))

(a, a, a, a, a, u, a), (((('B•C•E 133'), ('C•D•E 1'), ('B•D•E 33')), (None)))

(a, a, a, a, a, a, a), (((('B•C•E 133'), ('C•D•E 1'), ('B•D•E 34')), ((('B•C•D 1'))))

(a, a, a, u, a, a, u), (((('B•C•E 133'), ('C•D•E 1'), ('B•D•E 37')), (None)))

(a, a, a, a, a, a, a), (((('B•C•E 133'), ('C•D•E 1'), ('B ⊃ D, D ⊃ E, B ⊃ E, 1A, 3N')), ((('B•C•D 1'))))

$(n, a, a, u, n, a, a, u), (((B \sqcap' C, C \cup E, B \cup E, 4A, 8N), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 1')), (None))$
 $(n, a, a, u, n, a, a, a), (((B \sqcap' C, C \cup E, B \cup E, 4A, 8N), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 17')), (None))$
 $(n, a, a, a, n, a, a, u), (((B \sqcap' C, C \cup E, B \cup E, 4A, 8N), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 65')), (None))$
 $(n, a, a, a, n, a, a, a), (((B \sqcap' C, C \cup E, B \cup E, 4A, 8N), ('C \bullet D \bullet E 1'), ('B \cup D, D \cup E, B \supset E, 2A, 4A')), ((B \sqcap' C, C \cup D, B \cup D, 4A, 8A)))$
 $(n, a, a, u, n, a, a, a), (((B \sqcap' C, C \cup E, B \cup E, 4A, 8N), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 33')), (None))$
 $(n, a, a, n, a, a, a, a), (((B \sqcap' C, C \cup E, B \cup E, 4A, 8N), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 97')), ((B \sqcap' C, C \cup D, B \cup D, 4A, 8A)))$
 $(n, a, a, a, n, a, a, u), (((B \sqcap' C, C \cup E, B \cup E, 4A, 8N), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 129')), (None))$
 $(n, a, a, a, n, a, a, a), (((B \sqcap' C, C \cup E, B \cup E, 4A, 8N), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 145')), ((B \sqcap' C, C \cup D, B \cup D, 4A, 8A)))$
 $(n, a, a, a, n, a, a, a), (((B \sqcap' C, C \cup E, B \cup E, 4A, 8N), ('C \bullet D \bullet E 1'), (B \cup D, D \cup E, B \sqcap' E, 6A, 8A)), ((B \sqcap' C, C \cup D, B \cup D, 4A, 8A)))$
 $(n, a, a, a, n, a, a, a), (((B \sqcap' C, C \cup E, B \supset E, 4A), ('C \bullet D \bullet E 1'), ('B \cup D, D \cup E, B \supset E, 2A, 4A')), ((B \sqcap' C, C \cup D, B \cup D, 4A, 8A)))$
 $(n, a, n, a, a, a, a), (((B \sqcap' C, C \cup E, B \supset E, 4A), ('C \bullet D \bullet E 1'), (B \sqcap' D, D \cup E, B \supset E, 4A)), ((B \sqcap' C, C \cup D, B \sqcap' D, 8A)))$
 $(n, a, a, a, n, a, a, a), (((B \sqcap' C, C \cup E, B \supset E), ('C \bullet D \bullet E 1'), ('B \cup D, D \cup E, B \supset E, 2A, 4A')), ((B \sqcap' C, C \cup D, B \cup D, 4A, 8A)))$
 $(u, a, a, u, u, a, a, u), (((('B \bullet C \bullet E 131'), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 1')), (None))$
 $(u, a, a, a, a, a, a, n), (((('B \bullet C \bullet E 131'), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 2')), (None))$
 $(a, a, a, u, n, a, a, a), (((('B \bullet C \bullet E 131'), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 17')), (None))$
 $(a, a, a, n, u, a, a, a), (((('B \bullet C \bullet E 131'), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 5')), (None))$
 $(a, a, a, n, n, a, a, a), (((('B \bullet C \bullet E 131'), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 21')), (('B \bullet C \bullet D 67'))))$
 $(n, a, a, a, a, a, a, u), (((('B \bullet C \bullet E 131'), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 65')), (None))$
 $(n, a, a, a, a, a, a, n), (((('B \bullet C \bullet E 131'), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 66')), (('B \bullet C \bullet D 130'))))$
 $(u, a, a, u, a, a, a, u), (((('B \bullet C \bullet E 131'), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 3')), (None))$
 $(a, a, a, n, a, a, a, a), (((('B \bullet C \bullet E 131'), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 7')), (('B \bullet C \bullet D 3'))))$
 $(n, a, a, a, a, a, a, u), (((('B \bullet C \bullet E 131'), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 67')), (None))$
 $(u, a, a, u, u, a, u, a), (((('B \bullet C \bullet E 131'), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 33')), (None))$
 $(a, a, a, u, n, a, n, a), (((('B \bullet C \bullet E 131'), ('C \bullet D \bullet E 1'), ('B \supset D, D \cup E, B \cup E, 2A, 6A')), (None))$
 $(a, a, a, n, u, a, u, a), (((('B \bullet C \bullet E 131'), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 37')), (None))$
 $(a, a, a, n, n, a, n, a), (((('B \bullet C \bullet E 131'), ('C \bullet D \bullet E 1'), ('B \supset D, D \cup E, B \cup E, 2A, 6N')), ((B \cup C, C \cup D, B \supset D, 2A, 4N'))))$
 $(n, a, a, a, a, a, a, a), (((('B \bullet C \bullet E 131'), ('C \bullet D \bullet E 1'), ('B \bullet D \bullet E 97')), (('B \bullet C \bullet D 129'))))$

$(u, a, a, u, a, a, u, a), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \cup E, 5A, 6A')), (None))$
 $(a, a, a, n, a, a, u, a), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \cup E, 5A, 6N')), (None))$
 $(n, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \cup E, 5N, 6A')), (('B \bullet C \bullet D \ 129')))$
 $(a, a, a, u, u, a, a, u), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 9')), (None))$
 $(a, a, a, a, a, a, a, n), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 10')), (('B \bullet C \bullet D \ 2')))$
 $(a, a, a, u, n, a, a, a), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 25')), (None))$
 $(a, a, a, u, a, a, a, u), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5A, 7A')), (None))$
 $(a, a, a, u, u, a, u, a), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 41')), (None))$
 $(a, a, a, u, n, a, n, a), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), ('B \supset D, D \cup E, B \cup E, 2N, 6A')), (None))$
 $(a, a, a, u, a, a, u, a), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \subset E, 5A')), (None))$
 $(u, a, a, a, u, a, a, u), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 129')), (None))$
 $(u, a, a, a, a, a, a, n), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 130')), (None))$
 $(a, a, a, a, n, a, a, a), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 145')), (('B \bullet C \bullet D \ 65')))$
 $(u, a, a, a, a, a, a, u), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 131')), (None))$
 $(u, a, a, a, u, a, a, a), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E, 6A, 8A)), (None))$
 $(u, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \subset E, B \sqcap' E, 6A)), (None))$
 $(a, a, a, a, u, a, a, u), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup E, 7A, 8A)), (None))$
 $(a, a, a, a, a, a, a, n), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup E, 7A, 8N)), (('B \bullet C \bullet D \ 2')))$
 $(a, a, a, a, n, a, a, a), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup E, 7N, 8A)), (('B \bullet C \bullet D \ 65')))$
 $(a, a, a, a, a, a, a, u), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \subset E, 7A)), (None))$
 $(a, a, a, a, u, a, a, a), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \sqcap' E, 8A)), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 131'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \supset' E, B \supset' E)), (('B \bullet C \bullet D \ 1')))$
 $(u, a, a, n, u, a, a, n), ((('B \sqcup C, C \sqcup E, B \sqcup E, 1N, 5A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 1')), (None))$
 $(u, a, a, n, a, a, a, n), ((('B \sqcup C, C \sqcup E, B \sqcup E, 1N, 5A'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 2')), (None))$

$(a, a, a, n, a, a, a, a), ((('B \bullet C \bullet E \ 135'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 5')), (('B \bullet C \bullet D \ 3')))$
 $(a, a, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 135'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 33')), (None))$
 $(a, a, a, n, a, a, u, a), ((('B \bullet C \bullet E \ 135'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 37')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 135'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 129')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a, n), ((('B \bullet C \bullet E \ 135'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 130')), (('B \bullet C \bullet D \ 2')))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 135'), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E, 6A, 8A)), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, n, a, a, a, n), ((('B \sqcup C, C \cup E, B \sqcup E, 1N'), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \sqcup E, 1A, 3A')), ((('B \sqcup C, C \cup D, B \cup D, 1A, 5A'))))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 151'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 1')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, n, a), ((('B \bullet C \bullet E \ 151'), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 33')), (('B \bullet C \bullet D \ 17')))$
 $(n, a, a, u, n, a, a, u), ((('B \sqcap' C, C \cup E, B \cup E, 4N, 8A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 1')), (None))$
 $(n, a, a, u, n, a, a, a), ((('B \sqcap' C, C \cup E, B \cup E, 4N, 8A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 17')), (None))$
 $(n, a, a, a, n, a, a, u), ((('B \sqcap' C, C \cup E, B \cup E, 4N, 8A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 65')), (None))$
 $(n, a, a, a, n, a, a, a), ((('B \sqcap' C, C \cup E, B \cup E, 4N, 8A), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \supset E, 2A, 4A')), ((('B \sqcap' C, C \cup D, B \cup D, 4A, 8A'))))$
 $(n, a, a, u, n, a, a, a), ((('B \sqcap' C, C \cup E, B \cup E, 4N, 8A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 33')), (None))$
 $(n, a, a, n, a, a, a, a), ((('B \sqcap' C, C \cup E, B \cup E, 4N, 8A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 97')), ((('B \sqcap' C, C \cup D, B \cup D, 4A, 8A'))))$
 $(n, a, a, a, n, a, a, u), ((('B \sqcap' C, C \cup E, B \cup E, 4N, 8A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 129')), (None))$
 $(n, a, a, a, n, a, a, a), ((('B \sqcap' C, C \cup E, B \cup E, 4N, 8A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 145')), ((('B \sqcap' C, C \cup D, B \cup D, 4A, 8A'))))$
 $(n, a, a, a, n, a, a, a), ((('B \sqcap' C, C \cup E, B \cup E, 4N, 8A), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E, 6A, 8A)), ((('B \sqcap' C, C \cup D, B \cup D, 4A, 8A'))))$
 $(n, a, a, n, n, a, a, n), ((('B \sqcap' C, C \cup E, B \cup E), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 1')), ((('B \sqcap' C, C \cup D, B \cup D))$
 $(n, a, a, a, n, a, a, a), ((('B \sqcap' C, C \cup E, B \supset E, 4N), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \supset E, 2A, 4A')), ((('B \sqcap' C, C \cup D, B \cup D, 4A, 8A'))))$
 $(a, a, a, a, a, a, a, a), ((('B \cup C, C \cup E, B \sqcap' E, 6A, 8A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 1')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a, a), ((('B \cup C, C \cup E, B \sqcap' E, 6A, 8A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 2')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a, a), ((('B \cup C, C \cup E, B \sqcap' E, 6A, 8A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 5')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a, a), ((('B \cup C, C \cup E, B \sqcap' E, 6A, 8A), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \sqcup E, 1A, 3A')), (('B \bullet C \bullet D \ 1')))$

((a, a, a, a, a, a, a, a), (((B ∪ C, C ∪ E, B ∩' E, 6A, 8N), ('C • D • E 1'), ('B • D • E 5')), (('B • C • D 1'))))
(a, a, a, a, a, a, a, a), (((B ∪ C, C ∪ E, B ∩' E, 6A, 8N), ('C • D • E 1'), ('B ∪ D, D ∪ E, B ∪ E, 1A, 3A')), (('B • C • D 1'))))
(a, a, a, a, u, a, a, a), (((B ∪ C, C ∪ E, B ∩' E, 6A, 8N), ('C • D • E 1'), ('B • D • E 33')), (None)))
(a, a, a, a, a, a, a, a), (((B ∪ C, C ∪ E, B ∩' E, 6A, 8N), ('C • D • E 1'), ('B • D • E 34')), (('B • C • D 1'))))
(a, a, a, a, u, a, a, a), (((B ∪ C, C ∪ E, B ∩' E, 6A, 8N), ('C • D • E 1'), ('B • D • E 37')), (None)))
(a, a, a, a, a, a, a, a), (((B ∪ C, C ∪ E, B ∩' E, 6A, 8N), ('C • D • E 1'), ('B ∪ D, D ∪ E, B ∪ E, 1A, 3N')), (('B • C • D 1'))))
(u, a, a, a, a, a, a, a), (((B ∪ C, C ∪ E, B ∩' E, 6A, 8N), ('C • D • E 1'), ('B • D • E 129')), (None)))
(u, a, a, a, a, a, a, a), (((B ∪ C, C ∪ E, B ∩' E, 6A, 8N), ('C • D • E 1'), ('B • D • E 130')), (None)))
(a, a, a, a, a, a, a, a), (((B ∪ C, C ∪ E, B ∩' E, 6A, 8N), ('C • D • E 1'), ('B • D • E 133')), (('B • C • D 1'))))
(a, a, a, a, a, a, a, a), (((B ∪ C, C ∪ E, B ∩' E, 6A, 8N), ('C • D • E 1'), ('B ∪ D, D ∪ E, B ∪ E, 1N, 3A')), (('B • C • D 1'))))
(u, a, a, a, u, a, a, a), (((B ∪ C, C ∪ E, B ∩' E, 6A, 8N), ('C • D • E 1'), (B ∪ D, D ∪ E, B ∩' E, 6A, 8A)), (None)))
(u, a, a, a, a, a, a, a), (((B ∪ C, C ∪ E, B ∩' E, 6A, 8N), ('C • D • E 1'), (B ∪ D, D ∪ E, B ∩' E, 6A, 8N)), (None)))
(a, a, a, a, u, a, a, a), (((B ∪ C, C ∪ E, B ∩' E, 6A, 8N), ('C • D • E 1'), (B ∪ D, D ∪ E, B ∩' E, 6N, 8A)), (None)))
(a, a, a, a, a, a, a, a), (((B ∪ C, C ∪ E, B ∩' E, 6A, 8N), ('C • D • E 1'), (B ∪ D, D ∪ E, B ∩' E))), (('B • C • D 1'))))
(a, a, n, a, a, a, n, a), (((B ⊃ C, C ∪ E, B ∩' E, 6A), ('C • D • E 1'), (B ∪ D, D ∪ E, B ∩' E, 6A, 8A)), (('B ⊃ C, C ∪ D, B ∪ D, 2A, 6A'))))
(a, a, n, a, n, a, n, a), (((B ⊃ C, C ∪ E, B ∩' E, 6A), ('C • D • E 1'), (B ⊃ D, D ∪ E, B ∩' E, 6A)), (('B ⊃ C, C ∪ D, B ⊃ D, 2A'))))
(a, a, n, a, a, a, n, a), (((B ⊃ C, C ∪ E, B ∩' E, 6A), ('C • D • E 1'), (B ∪ D, D ⊂ E, B ∩' E, 6A)), (('B ⊃ C, C ∪ D, B ∪ D, 2A, 6A'))))
(a, a, a, a, a, a, a, a), (((B ∪ C, C ∪ E, B ∩' E, 6N, 8A), ('C • D • E 1'), ('B • D • E 1')), (('B • C • D 1'))))
(a, a, a, a, a, a, a, a), (((B ∪ C, C ∪ E, B ∩' E, 6N, 8A), ('C • D • E 1'), ('B • D • E 2')), (('B • C • D 1'))))
(a, a, a, a, a, a, a, a), (((B ∪ C, C ∪ E, B ∩' E, 6N, 8A), ('C • D • E 1'), ('B • D • E 5')), (('B • C • D 1'))))
(a, a, a, a, a, a, a, a), (((B ∪ C, C ∪ E, B ∩' E, 6N, 8A), ('C • D • E 1'), ('B ∪ D, D ∪ E, B ∪ E, 1A, 3A')), (('B • C • D 1'))))
(a, a, a, a, a, a, u, a), (((B ∪ C, C ∪ E, B ∩' E, 6N, 8A), ('C • D • E 1'), ('B • D • E 33')), (None)))
(a, a, a, a, a, a, a, a), (((B ∪ C, C ∪ E, B ∩' E, 6N, 8A), ('C • D • E 1'), ('B • D • E 34')), (('B • C • D 1'))))

$(a, a, a, a, a, a, a, a), (((B \cup C, C \cup E, B \sqcap' E), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E, 6A, 8N))), (('B \bullet C \bullet D \ 1'))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \cup E, B \sqcap' E), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E, 6N, 8A))), (('B \bullet C \bullet D \ 1'))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \cup E, B \sqcap' E), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E))), (('B \bullet C \bullet D \ 1'))$
 $(a, a, n, a, a, a, n, a), (((B \supset C, C \cup E, B \sqcap' E, 6N), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E, 6A, 8A))), (('B \supset C, C \cup D, B \cup D, 2A, 6A'))$
 $(n, a, a, a, n, a, a, a), (((B \sqcap' C, C \cup E, B \sqcap' E, 8A), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E, 6A, 8A))), ((B \sqcap' C, C \cup D, B \cup D, 4A, 8A)))$
 $(n, a, n, a, n, a, a, a), (((B \sqcap' C, C \cup E, B \sqcap' E, 8A), ('C \bullet D \bullet E \ 1'), (B \sqcap' D, D \cup E, B \sqcap' E, 8A))), ((B \sqcap' C, C \cup D, B \sqcap' D, 8A)))$
 $(n, a, a, a, n, a, a, a), (((B \sqcap' C, C \cup E, B \sqcap' E, 8N), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E, 6A, 8A))), ((B \sqcap' C, C \cup D, B \cup D, 4A, 8A)))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 1'))), (('B \bullet C \bullet D \ 1'))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 3'))), (('B \bullet C \bullet D \ 1'))$
 $(a, a, a, a, u, a, u, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 33'))), (None))$
 $(a, a, a, a, n, a, n, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), ('B \supset D, D \cup E, B \cup E, 2A, 6A'))), (('B \cup C, C \cup D, B \supset D, 2A, 4A'))$
 $(a, a, a, a, a, a, u, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \cup E, 5A, 6A'))), (None))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 9'))), (('B \bullet C \bullet D \ 1'))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5A, 7A'))), (('B \bullet C \bullet D \ 1'))$
 $(a, a, a, a, u, a, u, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 41'))), (None))$
 $(a, a, a, a, n, a, n, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), ('B \supset D, D \cup E, B \cup E, 2N, 6A'))), (('B \cup C, C \cup D, B \supset D, 2A, 4A'))$
 $(a, a, a, a, a, a, u, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \subset E, 5A'))), (None))$
 $(u, a, a, a, a, a, a, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 129'))), (None))$
 $(u, a, a, a, a, a, a, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 131'))), (None))$
 $(u, a, a, a, u, a, u, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E, 6A, 8A))), (None))$
 $(a, a, a, a, n, a, n, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), (B \supset D, D \cup E, B \sqcap' E, 6A))), (('B \cup C, C \cup D, B \supset D, 2A, 4A'))$
 $(u, a, a, a, a, a, u, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), (B \cup D, D \subset E, B \sqcap' E, 6A))), (None))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup E, 7A, 8A))), (('B \bullet C \bullet D \ 1'))$

$(a, a, a, a, a, a, a, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \subset E, 7A)), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, u, a, u, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \sqcap' E, 8A)), (None))$
 $(a, a, a, a, n, a, n, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), (B \supset D, D \sqcap' E, B \sqcap' E)), (('B \cup C, C \cup D, B \supset D, 2A, 4A'))))$
 $(a, a, a, a, a, a, u, a), (((B \cup C, C \subset E, B \sqcap' E, 6A), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqsupset' E, B \sqsupset' E)), (None))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \subset E, B \sqcap' E, 6N), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 1')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, u, a), (((B \cup C, C \subset E, B \sqcap' E, 6N), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 33')), (None))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \subset E, B \sqcap' E, 6N), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 129')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, u, a), (((B \cup C, C \subset E, B \sqcap' E, 6N), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E, 6A, 8A)), (None))$
 $(n, a, a, a, n, a, a, a), (((B \sqcap' C, C \subset E, B \sqcap' E), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E, 6A, 8A)), ((B \sqcap' C, C \cup D, B \cup D, 4A, 8A)))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \sqcap' E, B \cup E, 7A, 8A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 1')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, u, a), (((B \cup C, C \sqcap' E, B \cup E, 7A, 8A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 3')), (None))$
 $(a, a, a, a, a, u, a), (((B \cup C, C \sqcap' E, B \cup E, 7A, 8A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 33')), (None))$
 $(a, a, a, a, a, a, u, a), (((B \cup C, C \sqcap' E, B \cup E, 7A, 8A), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \cup E, 5A, 6A')), (None))$
 $(a, a, a, u, a, a, a, a), (((B \cup C, C \sqcap' E, B \cup E, 7A, 8A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 9')), (None))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \sqcap' E, B \cup E, 7A, 8A), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \cup E, B \subset E, 5A, 7A')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, u, a, a, u, a), (((B \cup C, C \sqcap' E, B \cup E, 7A, 8A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 41')), (None))$
 $(a, a, a, a, a, a, u, a), (((B \cup C, C \sqcap' E, B \cup E, 7A, 8A), ('C \bullet D \bullet E \ 1'), ('B \cup D, D \subset E, B \subset E, 5A')), (None))$
 $(a, a, u, a, a, a, a, a), (((B \cup C, C \sqcap' E, B \cup E, 7A, 8A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 129')), (None))$
 $(a, a, u, a, a, a, a, u), (((B \cup C, C \sqcap' E, B \cup E, 7A, 8A), ('C \bullet D \bullet E \ 1'), ('B \bullet D \bullet E \ 131')), (None))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \sqcap' E, B \cup E, 7A, 8A), ('C \bullet D \bullet E \ 1'), (B \cup D, D \cup E, B \sqcap' E, 6A, 8A)), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \sqcap' E, B \cup E, 7A, 8A), ('C \bullet D \bullet E \ 1'), (B \cup D, D \subset E, B \sqcap' E, 6A)), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \sqcap' E, B \cup E, 7A, 8A), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \cup E, 7A, 8A)), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a, a), (((B \cup C, C \sqcap' E, B \cup E, 7A, 8A), ('C \bullet D \bullet E \ 1'), (B \cup D, D \sqcap' E, B \subset E, 7A)), (('B \bullet C \bullet D \ 1')))$

(a, a, a, a, a, a, a, u),(((('B•C•E 1'), ('C•D•E 2'), ('B ∪ D, D ⊆ E, B ⊃ E, 2A')), (None))
 (a, a, a, a, a, a, a, a),(((('B•C•E 1'), ('C•D•E 2'), ('B ∪ D, D ⊃ E, B ∪ E, 3A, 4A')), (('B•C•D 1'))))
 (a, a, a, a, a, a, a, a),(((('B•C•E 1'), ('C•D•E 2'), ('B ∪ D, D ⊃ E, B ⊆ E, 3A')), (('B•C•D 1'))))
 (a, a, a, a, a, a, a, a),(((('B•C•E 1'), ('C•D•E 2'), ('B ∪ D, D ⊃ E, B ⊃ E, 4A')), (('B•C•D 1'))))
 (a, a, a, a, a, a, a, a),(((('B•C•E 1'), ('C•D•E 2'), ('B ∪ D, D ⊃ E, B ⊃ E')), (('B•C•D 1'))))
 (u, a, a, a, a, a, u, n),(((('B•C•E 1'), ('C•D•E 2'), ('B•D•E 3')), (None))
 (u, a, a, a, a, n, u, n),(((('B•C•E 1'), ('C•D•E 2'), ('B ⊆ D, D ∪ E, B ∪ E, 1A, 5A')), (None))
 (a, a, a, a, a, a, u, n),(((('B•C•E 1'), ('C•D•E 2'), ('B•D•E 19')), (None))
 (u, a, a, a, a, a, a, n),(((('B•C•E 1'), ('C•D•E 2'), ('B•D•E 67')), (None))
 (u, a, a, a, a, a, n, a, n),(((('B•C•E 1'), ('C•D•E 2'), ('B ⊆ D, D ∪ E, B ∪ E, 1A, 5N')), (None))
 (a, a, a, a, a, a, a, n),(((('B•C•E 1'), ('C•D•E 2'), ('B ∪ D, D ∪ E, B ⊃ E, 2A, 4N')), (('B•C•D 2'))))
 (a, u, a, a, a, a, n, a),(((('B•C•E 1'), ('C•D•E 2'), ('B•D•E 33')), (None))
 (a, a, a, a, a, a, n, a),(((('B•C•E 1'), ('C•D•E 2'), ('B•D•E 34')), (('B•C•D 17'))))
 (a, u, a, a, n, a, n, a),(((('B•C•E 1'), ('C•D•E 2'), ('B ⊃ D, D ∪ E, B ∪ E, 2A, 6A')), (None))
 (a, u, a, a, a, a, n, a),(((('B•C•E 1'), ('C•D•E 2'), ('B•D•E 37')), (None))
 (a, a, a, a, a, n, a),(((('B•C•E 1'), ('C•D•E 2'), ('B ∪ D, D ∪ E, B ⊆ E, 1A, 3N')), (('B•C•D 17'))))
 (a, u, a, a, n, a, n, a),(((('B•C•E 1'), ('C•D•E 2'), ('B ⊃ D, D ∪ E, B ∪ E, 2A, 6N')), (None))
 (a, u, a, a, a, a, u, a),(((('B•C•E 1'), ('C•D•E 2'), ('B•D•E 9')), (None))
 (a, a, a, a, a, a, u, a),(((('B•C•E 1'), ('C•D•E 2'), ('B•D•E 10')), (None))
 (a, u, a, a, u, a, u, a),(((('B•C•E 1'), ('C•D•E 2'), ('B•D•E 25')), (None))
 (a, a, a, a, a, a, u, a),(((('B•C•E 1'), ('C•D•E 2'), ('B ∪ D, D ⊆ E, B ∪ E, 1A, 2N')), (None))
 (a, a, a, a, a, a, a, a),(((('B•C•E 1'), ('C•D•E 2'), ('B•D•E 73')), (('B•C•D 1'))))
 (a, a, a, a, a, a, a, a),(((('B•C•E 1'), ('C•D•E 2'), ('B•D•E 74')), (('B•C•D 1'))))
 (a, a, a, a, a, a, a, a),(((('B•C•E 1'), ('C•D•E 2'), ('B ∪ D, D ∪ E, B ⊃ E, 2N, 4A')), (('B•C•D 1'))))
 (a, a, a, a, a, a, a, a),(((('B•C•E 1'), ('C•D•E 2'), ('B ∪ D, D ⊆ E, B ⊃ E, 2N')), (('B•C•D 1'))))
 (a, u, a, a, a, a, n, a),(((('B•C•E 1'), ('C•D•E 2'), ('B•D•E 41')), (None))
 (a, a, a, a, a, a, n, a),(((('B•C•E 1'), ('C•D•E 2'), ('B•D•E 42')), (('B•C•D 17'))))

$(a, a, a, n, n, a, n, a), ((('B \bullet C \bullet E \ 2'), ('C \bullet D \bullet E \ 2'), ('B \supset D, D \cup E, B \cup E, 2N, 6A')), (('B \cup C, C \cup D, B \supset D, 2A, 4N'))))$
 $(a, n, a, n, a, a, n, a), ((('B \bullet C \bullet E \ 2'), ('C \bullet D \bullet E \ 2'), ('B \subset D, D \cup E, B \cup E, 3N, 7A')), (('B \cup C, C \cup D, B \subset D, 5A, 7N'))))$
 $(a, n, a, n, n, a, n, a), ((('B \bullet C \bullet E \ 2'), ('C \bullet D \bullet E \ 2'), ('B \cap D, D \cup E, B \cup E')), (('B \cup C, C \cup D, B \cap D'))))$
 $(u, a, a, a, a, a, a, u), ((('B \bullet C \bullet E \ 2'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 129')), (None))$
 $(u, a, a, a, a, u, a, u), ((('B \bullet C \bullet E \ 2'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 130')), (None))$
 $(a, a, a, a, a, a, a, u), ((('B \bullet C \bullet E \ 2'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 145')), (None))$
 $(a, a, a, a, a, a, u), ((('B \bullet C \bullet E \ 2'), ('C \bullet D \bullet E \ 2'), ('B \cup D, D \sqcup E, B \cup E, 1N, 2A')), (None))$
 $(a, a, a, a, a, a, a, u), ((('B \bullet C \bullet E \ 2'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 133')), (None))$
 $(a, a, a, a, a, a, u), ((('B \bullet C \bullet E \ 2'), ('C \bullet D \bullet E \ 2'), ('B \cup D, D \sqcup E, B \sqcup E, 1N, 3A')), (None))$
 $(a, a, a, a, a, a, u), ((('B \bullet C \bullet E \ 2'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 149')), (None))$
 $(a, a, a, a, a, a, u), ((('B \bullet C \bullet E \ 2'), ('C \bullet D \bullet E \ 2'), ('B \cup D, D \sqcup E, B \sqcup E, 1N')), (None))$
 $(u, a, a, a, a, a, n), ((('B \bullet C \bullet E \ 2'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 131')), (None))$
 $(u, a, a, a, a, n, a, n), ((('B \bullet C \bullet E \ 2'), ('C \bullet D \bullet E \ 2'), ('B \sqcup D, D \cup E, B \cup E, 1N, 5A')), (None))$
 $(a, a, a, a, a, a, n), ((('B \bullet C \bullet E \ 2'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 147')), (('B \bullet C \bullet D \ 2'))))$
 $(a, a, a, a, a, a, n), ((('B \bullet C \bullet E \ 2'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 135')), (('B \bullet C \bullet D \ 2'))))$
 $(a, a, a, a, a, a, n), ((('B \bullet C \bullet E \ 2'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 151')), (('B \bullet C \bullet D \ 2'))))$
 $(a, u, u, a, a, a, u, u), ((('B \bullet C \bullet E \ 17'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 1')), (None))$
 $(a, a, u, a, a, u, u, u), ((('B \bullet C \bullet E \ 17'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 2')), (None))$
 $(a, u, u, a, u, a, u, u), ((('B \bullet C \bullet E \ 17'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 17')), (None))$
 $(a, a, u, a, a, a, u, u), ((('B \bullet C \bullet E \ 17'), ('C \bullet D \bullet E \ 2'), ('B \cup D, D \sqcup E, B \cup E, 1A, 2A')), (None))$
 $(a, u, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 17'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 5')), (None))$
 $(a, a, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 17'), ('C \bullet D \bullet E \ 2'), ('B \cup D, D \cup E, B \sqcup E, 1A, 3A')), (None))$
 $(a, u, a, a, u, a, u, a), ((('B \bullet C \bullet E \ 17'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 21')), (None))$
 $(a, a, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 17'), ('C \bullet D \bullet E \ 2'), ('B \cup D, D \sqcup E, B \sqcup E, 1A')), (None))$
 $(u, a, u, a, a, a, a, u), ((('B \bullet C \bullet E \ 17'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 65')), (None))$
 $(u, a, u, a, a, u, a, u), ((('B \bullet C \bullet E \ 17'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 66')), (None))$
 $(a, a, u, a, a, a, a, u), ((('B \bullet C \bullet E \ 17'), ('C \bullet D \bullet E \ 2'), ('B \cup D, D \cup E, B \supset E, 2A, 4A')), (None))$
 $(a, a, u, a, a, a, a, u), ((('B \bullet C \bullet E \ 17'), ('C \bullet D \bullet E \ 2'), ('B \cup D, D \sqcup E, B \supset E, 2A')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 17'), ('C \bullet D \bullet E \ 2'), ('B \cup D, D \supset E, B \cup E, 3A, 4A')), (('B \bullet C \bullet D \ 1'))))$

(a, a, a, a, a, a, a, a), (((('BUC, CUE, BUE, 1A, 3A'), ('C•D•E 2'), ('B•D•E 34')), (('B•C•D 17'))))
(a, u, a, u, a, a, n, a), (((('BUC, CUE, BUE, 1A, 3A'), ('C•D•E 2'), ('B•D•E 37')), (None)))
(a, u, a, u, a, a, n, a), (((('BUC, CUE, BUE, 1A, 3A'), ('C•D•E 2'), ('BUC, DUE, BUE, 1A, 3N')), (None)))
(a, n, a, n, a, a, u, a), (((('BUC, CUE, BUE, 1A, 3A'), ('C•D•E 2'), ('BUC, DUE, BUE, 3A, 7A')), (None)))
(a, n, a, n, a, a, u, a), (((('BUC, CUE, BUE, 1A, 3A'), ('C•D•E 2'), ('BUC, DUE, BUE, 3A')), (None)))
(a, n, a, n, a, a, u, a), (((('BUC, CUE, BUE, 1A, 3A'), ('C•D•E 2'), ('BUC, DUE, BUE, 3A, 7N')), (None)))
(a, n, a, n, a, a, u, a), (((('BUC, CUE, BUE, 1A, 3A'), ('C•D•E 2'), ('BUC, DUE, BUE, 3A, 7N')), (None)))
(a, n, a, n, a, a, u, a), (((('BUC, CUE, BUE, 1A, 3A'), ('C•D•E 2'), ('BUC, DUE, BUE, 3A, 7N')), (None)))
(a, a, a, a, a, a, a, a), (((('BUC, CUE, BUE, 1A, 3A'), ('C•D•E 2'), ('B•D•E 129')), (('B•C•D 1'))))
(a, a, a, a, a, u, a, u), (((('BUC, CUE, BUE, 1A, 3A'), ('C•D•E 2'), ('B•D•E 130')), (None)))
(a, a, a, a, a, a, a, a), (((('BUC, CUE, BUE, 1A, 3A'), ('C•D•E 2'), ('B•D•E 145')), (('B•C•D 1'))))
(a, a, a, a, a, a, a, u), (((('BUC, CUE, BUE, 1A, 3A'), ('C•D•E 2'), ('BUC, DUE, BUE, 1N, 2A')), (None)))
(a, a, a, a, a, a, a, a), (((('BUC, CUE, BUE, 1A, 3A'), ('C•D•E 2'), ('B•D•E 133')), (('B•C•D 1'))))
(a, a, a, a, a, u, a, u), (((('BUC, CUE, BUE, 1A, 3A'), ('C•D•E 2'), ('BUC, DUE, BUE, 1N, 3A')), (None)))
(a, a, a, a, a, a, a, a), (((('BUC, CUE, BUE, 1A, 3A'), ('C•D•E 2'), ('B•D•E 149')), (('B•C•D 1'))))
(a, a, a, a, a, a, a, u), (((('BUC, CUE, BUE, 1A, 3A'), ('C•D•E 2'), ('BUC, DUE, BUE, 1N')), (None)))
(a, a, a, a, a, n, a, n), (((('BUC, CUE, BUE, 1A, 3A'), ('C•D•E 2'), ('BUC, DUE, BUE, 1N, 5A')), (('BUC, CUE, BUE, 1A, 3A'))))
(a, a, a, a, a, n, a, n), (((('BUC, CUE, BUE, 1A, 3A'), ('C•D•E 2'), ('BUC, DUE, BUE, 1N')), (('BUC, CUE, BUE, 1A, 3A'))))
(a, u, u, a, a, a, u, a), (((('B•C•E 21'), ('C•D•E 2'), ('B•D•E 1')), (None)))
(a, u, u, a, a, u, u, u), (((('B•C•E 21'), ('C•D•E 2'), ('B•D•E 2')), (None)))
(a, u, u, a, a, a, u, a), (((('B•C•E 21'), ('C•D•E 2'), ('B•D•E 17')), (None)))
(a, u, u, a, a, a, u, u), (((('B•C•E 21'), ('C•D•E 2'), ('BUC, DUE, BUE, 1A, 2A')), (None)))
(a, u, a, a, a, a, u, a), (((('B•C•E 21'), ('C•D•E 2'), ('B•D•E 5')), (None)))
(a, u, a, a, a, a, u, u, a), (((('B•C•E 21'), ('C•D•E 2'), ('BUC, DUE, BUE, 1A, 3A')), (None)))

$(a, u, a, a, a, a, u, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 21')), (None))$
 $(a, u, a, a, a, a, u, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \cup D, D \sqcup E, B \sqcup E, 1A')), (None))$
 $(a, a, u, a, a, a, a, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 65')), (None))$
 $(a, a, u, a, a, u, a, u), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 66')), (None))$
 $(a, a, u, a, a, a, a, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \cup D, D \cup E, B \supset E, 2A, 4A')), (None))$
 $(a, a, u, a, a, a, a, u), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \cup D, D \sqcup E, B \supset E, 2A')), (None))$
 $(a, a, a, a, a, a, a, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \cup D, D \supset E, B \cup E, 3A, 4A')), ((B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, u, a, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \cup D, D \supset E, B \sqcup E, 3A')), (None))$
 $(a, a, a, a, a, a, a, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \cup D, D \supset E, B \supset E, 4A')), ((B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \cup D, D \sqsupset E, B \sqsupset E')), ((B \bullet C \bullet D \ 1')))$
 $(a, a, u, a, a, n, u, n), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \sqcup D, D \cup E, B \cup E, 1A, 5A')), (None))$
 $(a, a, u, a, a, n, a, n), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \sqcup D, D \cup E, B \cup E, 1A, 5N')), (None))$
 $(a, u, a, a, a, a, n, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 33')), (None))$
 $(a, u, a, a, a, a, n, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 34')), (None))$
 $(a, u, a, a, a, a, n, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 37')), (None))$
 $(a, u, a, a, a, a, n, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \cup D, D \cup E, B \sqcup E, 1A, 3N')), (None))$
 $(a, n, a, a, a, a, u, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 9')), (None))$
 $(a, n, a, a, a, a, u, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 10')), (None))$
 $(a, n, a, a, a, a, u, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 25')), (None))$
 $(a, n, a, a, a, a, u, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \cup D, D \sqcup E, B \cup E, 1A, 2N')), (None))$
 $(a, n, a, a, a, a, n, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 41')), ((B \bullet C \bullet D \ 25')))$
 $(a, n, a, a, a, a, n, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 42')), ((B \bullet C \bullet D \ 25')))$
 $(a, a, n, a, a, a, a, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 129')), ((B \bullet C \bullet D \ 33')))$
 $(a, a, n, a, a, u, a, u), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 130')), (None))$
 $(a, a, n, a, a, a, a, a), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 145')), ((B \bullet C \bullet D \ 33')))$
 $(a, a, n, a, a, a, a, u), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \cup D, D \sqcup E, B \cup E, 1N, 2A')), (None))$
 $(a, a, n, a, a, a, n, n), (((B \bullet C \bullet E \ 21'), (C \bullet D \bullet E \ 2'), (B \sqcup D, D \cup E, B \cup E, 1N, 5A')), ((B \cup C, C \sqcup D, B \sqcup D, 1A, 3N')))$
 $(a, a, a, a, a, a, u, a), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 1')), (None))$

$(a, a, a, a, a, u, u, u), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 2')), (None))$
 $(a, a, a, a, a, u, a), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 17')), (None))$
 $(a, a, a, a, a, u, u), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \cup D, D \sqcup E, B \cup E, 1A, 2A')), (None))$
 $(a, u, a, a, a, u, a), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 5')), (None))$
 $(a, u, a, a, a, u, u), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \cup D, D \sqcup E, B \sqcup E, 1A, 3A')), (None))$
 $(a, u, a, a, a, u, a), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 21')), (None))$
 $(a, u, a, a, a, u, u), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \cup D, D \sqcup E, B \sqcup E, 1A')), (None))$
 $(a, a, a, a, a, a, a), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 65')), ((B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, u, a, u), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 66')), (None))$
 $(a, a, a, a, a, a, a), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \cup D, D \cup E, B \supset E, 2A, 4A')), ((B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, u), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \cup D, D \sqcup E, B \supset E, 2A')), (None))$
 $(a, a, a, a, a, a, a), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \cup D, D \supset E, B \cup E, 3A, 4A')), ((B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, u, a, u), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \cup D, D \supset E, B \sqcup E, 3A')), (None))$
 $(a, a, a, a, a, a, a), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \cup D, D \supset E, B \supset E, 4A')), ((B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, u), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \cup D, D \sqsupset E, B \sqsupset E')), (None))$
 $(a, a, a, a, a, n, u, n), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \sqcup D, D \cup E, B \cup E, 1A, 5A')), (None))$
 $(a, a, a, a, a, n, u, n), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \sqcup D, D \cup E, B \sqcup E, 1A')), (None))$
 $(a, a, a, a, a, n, a, n), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \sqcup D, D \cup E, B \cup E, 1A, 5N')), ((B \cup C, C \cup D, B \sqcup D, 1A, 3A')))$
 $(a, a, a, a, a, n, a, n), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \sqcup D, D \supset E, B \sqcup E')), ((B \cup C, C \cup D, B \sqcup D, 1A, 3A')))$
 $(a, a, a, a, a, a, n, a), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 33')), ((B \bullet C \bullet D \ 17')))$
 $(a, a, a, a, a, a, n, a), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 34')), ((B \bullet C \bullet D \ 17')))$
 $(a, u, a, a, a, a, n, a), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 37')), (None))$
 $(a, u, a, a, a, a, n, a), (((B \cup C, C \sqcup E, B \sqcup E, 1A'), (C \bullet D \bullet E \ 2'), (B \cup D, D \cup E, B \sqcup E, 1A, 3N')), (None))$

(u, a, a, a, a, a, a, u),(((B•C•E 65'), (C•D•E 2'), (B•D•E 1')), (None))
 (u, a, a, a, a, a, a, u),(((B•C•E 65'), (C•D•E 2'), (B•D•E 2')), (None))
 (u, a, a, a, u, a, a, u),(((B•C•E 65'), (C•D•E 2'), (B•D•E 17')), (None))
 (u, a, a, a, a, a, a, u),(((B•C•E 65'), (C•D•E 2'), (B ∪ D, D ⊔ E, B ∪ E, 1A, 2A')), (None))
 (a, a, a, a, a, a, a, a),(((B•C•E 65'), (C•D•E 2'), (B•D•E 5')), ((B•C•D 1')))
 (a, a, a, a, a, a, a, a),(((B•C•E 65'), (C•D•E 2'), (B ∪ D, D ∪ E, B ⊔ E, 1A, 3A')), ((B•C•D 1'))
 (a, a, a, a, u, a, a, a),(((B•C•E 65'), (C•D•E 2'), (B•D•E 21')), (None))
 (a, a, a, a, a, a, a, a),(((B•C•E 65'), (C•D•E 2'), (B ∪ D, D ⊔ E, B ⊔ E, 1A')), ((B•C•D 1'))
 (u, a, a, a, a, a, a, u),(((B•C•E 65'), (C•D•E 2'), (B•D•E 65')), (None))
 (u, a, a, a, a, a, a, u),(((B•C•E 65'), (C•D•E 2'), (B•D•E 66')), (None))
 (u, a, a, a, u, a, a, u),(((B•C•E 65'), (C•D•E 2'), (B ∪ D, D ∪ E, B ⊃ E, 2A, 4A')), (None))
 (u, a, a, a, a, a, a, u),(((B•C•E 65'), (C•D•E 2'), (B ∪ D, D ⊔ E, B ⊃ E, 2A')), (None))
 (a, a, a, a, a, a, a, a),(((B•C•E 65'), (C•D•E 2'), (B ∪ D, D ⊃ E, B ∪ E, 3A, 4A')), ((B•C•D 1'))
 (a, a, a, a, a, a, a, a),(((B•C•E 65'), (C•D•E 2'), (B ∪ D, D ⊃ E, B ⊔ E, 3A')), ((B•C•D 1'))
 (a, a, a, a, u, a, a, a),(((B•C•E 65'), (C•D•E 2'), (B ∪ D, D ⊃ E, B ⊃ E, 4A')), (None))
 (a, a, a, a, a, a, a, a),(((B•C•E 65'), (C•D•E 2'), (B ∪ D, D ⊃ E, B ⊃ E')), ((B•C•D 1'))
 (u, a, a, a, a, a, a, n),(((B•C•E 65'), (C•D•E 2'), (B•D•E 3')), (None))
 (u, a, a, a, a, a, a, n),(((B•C•E 65'), (C•D•E 2'), (B•D•E 19')), (None))
 (u, a, a, a, a, a, a, n),(((B•C•E 65'), (C•D•E 2'), (B•D•E 67')), (None))
 (u, a, a, a, a, a, a, n),(((B•C•E 65'), (C•D•E 2'), (B ∪ D, D ∪ E, B ⊃ E, 2A, 4N')), (None))
 (a, a, a, a, a, a, a, a),(((B•C•E 65'), (C•D•E 2'), (B•D•E 9')), ((B•C•D 1'))
 (a, a, a, a, a, a, a, a),(((B•C•E 65'), (C•D•E 2'), (B•D•E 10')), ((B•C•D 1'))
 (a, a, a, a, u, a, a, a),(((B•C•E 65'), (C•D•E 2'), (B•D•E 25')), (None))
 (a, a, a, a, a, a, a, a),(((B•C•E 65'), (C•D•E 2'), (B ∪ D, D ⊔ E, B ∪ E, 1A, 2N')), ((B•C•D 1'))
 (a, a, a, a, a, a, a, a),(((B•C•E 65'), (C•D•E 2'), (B•D•E 73')), ((B•C•D 1'))
 (a, a, a, a, a, a, a, a),(((B•C•E 65'), (C•D•E 2'), (B•D•E 74')), ((B•C•D 1'))
 (a, a, a, a, u, a, a, a),(((B•C•E 65'), (C•D•E 2'), (B ∪ D, D ∪ E, B ⊃ E, 2N, 4A')), (None))
 (a, a, a, a, a, a, a, a),(((B•C•E 65'), (C•D•E 2'), (B ∪ D, D ⊔ E, B ⊃ E, 2N')), ((B•C•D 1'))

(n, a, a, a, a, a, a, u), (((('B●C●E 65'), ('C●D●E 2'), ('B●D●E 129'))), (None))
 (n, a, a, a, a, a, a, u), (((('B●C●E 65'), ('C●D●E 2'), ('B●D●E 130'))), (None))
 (n, a, a, a, a, a, a, u), (((('B●C●E 65'), ('C●D●E 2'), ('B●D●E 145'))), (None))
 (n, a, a, a, a, a, a, u), (((('B●C●E 65'), ('C●D●E 2'), ('B ∪ D, D ⊆ E, B ∪ E, 1N, 2A'))), (None))
 (n, a, a, a, a, a, a, n), (((('B●C●E 65'), ('C●D●E 2'), ('B●D●E 131'))),
 (('B●C●D 130')))
 (n, a, a, a, a, a, a, n), (((('B●C●E 65'), ('C●D●E 2'), ('B●D●E 147'))),
 (('B●C●D 130')))
 (u, a, a, u, a, a, a, u), (((('B●C●E 66'), ('C●D●E 2'), ('B●D●E 1'))), (None))
 (u, a, a, u, a, a, a, u), (((('B●C●E 66'), ('C●D●E 2'), ('B●D●E 2'))), (None))
 (u, a, a, u, u, a, a, u), (((('B●C●E 66'), ('C●D●E 2'), ('B●D●E 17'))), (None))
 (u, a, a, u, a, a, a, u), (((('B●C●E 66'), ('C●D●E 2'), ('B ∪ D, D ⊆ E, B ∪ E, 1A, 2A'))), (None))
 (a, a, a, u, a, a, a, u), (((('B●C●E 66'), ('C●D●E 2'), ('B●D●E 5'))), (None))
 (a, a, a, u, a, a, a, u), (((('B●C●E 66'), ('C●D●E 2'), ('B ∪ D, D ⊆ E, B ⊆ E, 1A, 3A'))), (None))
 (a, a, a, u, u, a, a, u), (((('B●C●E 66'), ('C●D●E 2'), ('B●D●E 21'))), (None))
 (a, a, a, u, a, a, a, u), (((('B●C●E 66'), ('C●D●E 2'), ('B ∪ D, D ⊆ E, B ⊆ E, 1A'))), (None))
 (u, a, a, a, a, a, a, u), (((('B●C●E 66'), ('C●D●E 2'), ('B●D●E 65'))), (None))
 (u, a, a, a, a, a, a, u), (((('B●C●E 66'), ('C●D●E 2'), ('B●D●E 66'))), (None))
 (u, a, a, a, u, a, a, u), (((('B●C●E 66'), ('C●D●E 2'), ('B ∪ D, D ⊆ E, B ⊆ E, 2A, 4A'))), (None))
 (u, a, a, a, a, a, a, u), (((('B●C●E 66'), ('C●D●E 2'), ('B ∪ D, D ⊆ E, B ⊆ E, 2A'))), (None))
 (a, a, a, a, a, a, a, u), (((('B●C●E 66'), ('C●D●E 2'), ('B ∪ D, D ⊆ E, B ∪ E, 3A, 4A'))), (None))
 (a, a, a, a, a, a, a, u), (((('B●C●E 66'), ('C●D●E 2'), ('B ∪ D, D ⊆ E, B ⊆ E, 3A'))), (None))
 (a, a, a, a, a, u, a, a, u), (((('B●C●E 66'), ('C●D●E 2'), ('B ∪ D, D ⊆ E, B ⊆ E, 4A'))), (None))
 (a, a, a, a, a, a, a, u), (((('B●C●E 66'), ('C●D●E 2'), ('B ∪ D, D ⊆ E, B ⊆ E'))), (None))
 (u, a, a, a, a, a, a, n), (((('B●C●E 66'), ('C●D●E 2'), ('B●D●E 3'))), (None))
 (u, a, a, a, a, a, a, n), (((('B●C●E 66'), ('C●D●E 2'), ('B●D●E 19'))), (None))
 (a, a, a, a, a, a, a, n), (((('B●C●E 66'), ('C●D●E 2'), ('B●D●E 7'))), (('B●C●D 2')))
 (a, a, a, a, a, a, a, n), (((('B●C●E 66'), ('C●D●E 2'), ('B●D●E 23'))), (('B●C●D 2')))
 (u, a, a, a, a, a, a, n), (((('B●C●E 66'), ('C●D●E 2'), ('B●D●E 67'))), (None))
 (u, a, a, a, a, a, a, n), (((('B●C●E 66'), ('C●D●E 2'), ('B ∪ D, D ⊆ E, B ⊆ E, 2A, 4N'))), (None))
 (a, a, a, a, a, a, a, n), (((('B●C●E 66'), ('C●D●E 2'), ('B ∪ D, D ⊆ E, B ∪ E, 3A, 4N'))), (('B●C●D 2'))

(a, a, a, a, a, a, n, a),(((('B●C●E 33'), ('C●D●E 2'), ('B ∪ D, D ⊔ E, B ∪ E, 1N, 2A')), (('B●C●D 17'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 33'), ('C●D●E 2'), ('B●D●E 133')), (('B●C●D 17'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 33'), ('C●D●E 2'), ('B ∪ D, D ∪ E, B ⊔ E, 1N, 3A')), (('B●C●D 17'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 33'), ('C●D●E 2'), ('B●D●E 149')), (('B●C●D 17'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 33'), ('C●D●E 2'), ('B ∪ D, D ⊔ E, B ⊔ E, 1N')), (('B●C●D 17'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 33'), ('C●D●E 2'), (B ∪ D, D ∪ E, B ⊔ E, 6A, 8A)), (('B●C●D 17'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 33'), ('C●D●E 2'), (B ∪ D, D ∪ E, B ⊔ E, 6A, 8N)), (('B●C●D 17'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 33'), ('C●D●E 2'), (B ∪ D, D ∪ E, B ⊔ E, 6N, 8A)), (('B●C●D 17'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 33'), ('C●D●E 2'), (B ∪ D, D ∪ E, B ⊔ E)), (('B●C●D 17'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 33'), ('C●D●E 2'), (B ∪ D, D ⊔ E, B ∪ E, 7A, 8A)), (('B●C●D 17'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 33'), ('C●D●E 2'), (B ∪ D, D ⊔ E, B ∪ E, 7A, 8N)), (('B●C●D 17'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 33'), ('C●D●E 2'), (B ∪ D, D ⊔ E, B ∪ E, 7N, 8A)), (('B●C●D 17'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 33'), ('C●D●E 2'), (B ∪ D, D ⊔ E, B ∪ E)), (('B●C●D 17'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 33'), ('C●D●E 2'), (B ∪ D, D ⊔ E, B ⊔ E, 8A)), (('B●C●D 17'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 33'), ('C●D●E 2'), (B ∪ D, D ⊔ E, B ⊔ E, 8N)), (('B●C●D 17'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 34'), ('C●D●E 2'), ('B●D●E 1')), (('B●C●D 17'))))
 (a, a, a, a, a, u, n, a),(((('B●C●E 34'), ('C●D●E 2'), ('B●D●E 2')), (None)))
 (a, a, a, a, a, a, n, a),(((('B●C●E 34'), ('C●D●E 2'), ('B●D●E 17')), (('B●C●D 17'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 34'), ('C●D●E 2'), ('B ∪ D, D ⊔ E, B ∪ E, 1A, 2A')), (('B●C●D 17'))))
 (a, u, a, a, a, a, n, a),(((('B●C●E 34'), ('C●D●E 2'), ('B●D●E 5')), (None)))
 (a, a, a, a, a, a, n, a),(((('B●C●E 34'), ('C●D●E 2'), ('B ∪ D, D ∪ E, B ⊔ E, 1A, 3A')), (('B●C●D 17'))))
 (a, u, a, a, a, a, n, a),(((('B●C●E 34'), ('C●D●E 2'), ('B●D●E 21')), (None)))
 (a, a, a, a, a, a, n, a),(((('B●C●E 34'), ('C●D●E 2'), ('B ∪ D, D ⊔ E, B ⊔ E, 1A')), (('B●C●D 17'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 34'), ('C●D●E 2'), ('B●D●E 33')), (('B●C●D 17'))))

(a, u, a, a, a, a, u, a),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 17')), (None))
 (a, n, a, a, a, a, u, a),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 5')), (None))
 (a, n, a, a, a, a, u, a),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 21')), (None))
 (a, a, a, a, a, a, a, a),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 65')), (('B●C●D
 1'))))
 (a, a, a, a, a, n, a, a),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 66')), (('B●C●D
 5'))))
 (a, a, a, a, a, a, a, a),(((('B●C●E 9'), ('C●D●E 2'), ('B ⊃ D, D ⊃ E, B ⊃
 E, 2A, 4A')), (('B●C●D 1'))))
 (a, u, a, a, a, a, u, n),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 3')), (None))
 (a, a, a, a, a, n, u, n),(((('B●C●E 9'), ('C●D●E 2'), ('B ⊃ D, D ⊃ E, B ⊃
 E, 1A, 5A')), (None))
 (a, u, a, a, a, a, u, n),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 19')), (None))
 (a, a, a, a, a, a, n),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 67')), (('B●C●D
 2'))))
 (a, a, a, a, a, n, a, n),(((('B●C●E 9'), ('C●D●E 2'), ('B ⊃ D, D ⊃ E, B ⊃
 E, 1A, 5N')), (('B ⊃ C, C ⊃ D, B ⊃ D, 1A, 3A'))))
 (a, a, a, a, a, a, n),(((('B●C●E 9'), ('C●D●E 2'), ('B ⊃ D, D ⊃ E, B ⊃
 E, 2A, 4N')), (('B●C●D 2'))))
 (a, u, a, a, a, a, n, a),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 33')), (None))
 (a, n, a, a, a, a, n, a),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 37')), (('B●C●D
 25'))))
 (a, u, a, a, a, a, u, a),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 9')), (None))
 (a, a, a, a, a, n, u, a),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 10')), (None))
 (a, u, a, a, a, a, u, a),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 25')), (None))
 (a, a, a, a, a, a, a, a),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 73')), (('B●C●D
 1'))))
 (a, a, a, a, a, n, a, a),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 74')), (('B●C●D
 5'))))
 (a, a, a, a, a, a, a, a),(((('B●C●E 9'), ('C●D●E 2'), ('B ⊃ D, D ⊃ E, B ⊃
 E, 2N, 4A')), (('B●C●D 1'))))
 (a, u, a, a, a, a, n, a),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 41')), (None))
 (a, a, a, a, a, a, a, a),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 129')), (('B●C●D
 1'))))
 (a, a, a, a, a, n, a, a),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 130')), (('B●C●D
 5'))))
 (a, a, a, a, a, a, a, a),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 145')), (('B●C●D
 1'))))
 (a, a, a, a, a, a, n),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 131')), (('B●C●D
 2'))))
 (a, a, a, a, a, n, a, n),(((('B●C●E 9'), ('C●D●E 2'), ('B ⊃ D, D ⊃ E, B ⊃
 E, 1N, 5A')), (('B ⊃ C, C ⊃ D, B ⊃ D, 1A, 3A'))))
 (a, a, a, a, a, a, n),(((('B●C●E 9'), ('C●D●E 2'), ('B●D●E 147')), (('B●C●D
 2'))))
 (a, a, a, a, a, a, a, a),(((('B●C●E 9'), ('C●D●E 2'), (B ⊃ D, D ⊃ E, B ⊃
 E, 7A, 8A)), (('B●C●D 1'))))

$(a, a, a, a, a, n, a, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 2'), (B \cup D, D \sqcap' E, B \cup E, 7A, 8N)), (('B \bullet C \bullet D \ 5')))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 9'), ('C \bullet D \bullet E \ 2'), (B \cup D, D \sqcap' E, B \cup E, 7N, 8A)), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 1')), (None))$
 $(a, a, a, a, a, n, u, a), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 2')), (None))$
 $(a, a, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 17')), (None))$
 $(a, n, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 5')), (None))$
 $(a, n, a, a, a, a, u, a), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 21')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 65')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, n, a, a), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 66')), (('B \bullet C \bullet D \ 5')))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \cup D, D \cup E, B \supset E, 2A, 4A')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, u, n), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 3')), (None))$
 $(a, a, a, a, a, n, u, n), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \sqcup D, D \cup E, B \cup E, 1A, 5A')), (None))$
 $(a, a, a, a, a, a, u, n), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 19')), (None))$
 $(a, n, a, a, a, a, u, n), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 7')), (None))$
 $(a, n, a, a, a, a, u, n), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 23')), (None))$
 $(a, a, a, a, a, a, a, n), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 67')), (('B \bullet C \bullet D \ 2')))$
 $(a, a, a, a, a, n, a, n), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \sqcup D, D \cup E, B \cup E, 1A, 5N')), (('B \cup C, C \cup D, B \sqcup D, 1A, 3A')))$
 $(a, a, a, a, a, a, n), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \cup D, D \cup E, B \supset E, 2A, 4N')), (('B \bullet C \bullet D \ 2')))$
 $(a, a, a, a, a, a, n, a), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 33')), (('B \bullet C \bullet D \ 17')))$
 $(a, n, a, a, a, a, n, a), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 37')), (('B \bullet C \bullet D \ 25')))$
 $(a, a, a, n, a, a, u, a), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 9')), (None))$
 $(a, a, a, n, a, n, u, a), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 10')), (None))$
 $(a, a, a, n, a, a, u, a), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 25')), (None))$
 $(a, n, a, n, a, a, u, a), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \subset D, D \cup E, B \cup E, 3A, 7A')), (None))$
 $(a, n, a, n, a, a, u, a), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \subset D, D \cup E, B \cup E, 3A, 7N')), (None))$
 $(a, a, a, n, a, a, n, a), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 41')), (('B \bullet C \bullet D \ 19')))$
 $(a, n, a, n, a, a, n, a), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \subset D, D \cup E, B \cup E, 3N, 7A')), (('B \cup C, C \cup D, B \subset D, 5A, 7N')))$
 $(a, a, a, a, a, a, a, a), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 129')), (('B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, n, a, a), ((('B \bullet C \bullet E \ 10'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 130')), (('B \bullet C \bullet D \ 5')))$

$(a, a, n, a, a, a, a, n), ((('B \bullet C \bullet E \ 25'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 131')),$
 $(('B \bullet C \bullet D \ 34')))$
 $(a, a, n, a, a, n, a, n), ((('B \bullet C \bullet E \ 25'), ('C \bullet D \bullet E \ 2'), ('B \sqcup D, D \cup E, B \cup$
 $E, 1N, 5A')), ((('B \cup C, C \cup D, B \sqcup D, 1A, 3N'))))$
 $(a, a, n, a, a, a, a, n), ((('B \bullet C \bullet E \ 25'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E \ 147')),$
 $(('B \bullet C \bullet D \ 34')))$
 $(a, a, a, a, a, a, u, a), ((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E$
 $1')), (None))$
 $(a, a, a, a, a, n, u, a), ((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E$
 $2')), (None))$
 $(a, a, a, a, a, a, u, a), ((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E$
 $17')), (None))$
 $(a, n, a, a, a, a, u, a), ((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E$
 $5')), (None))$
 $(a, n, a, a, a, a, u, a), ((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E$
 $21')), (None))$
 $(a, a, a, a, a, a, a, a), ((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E$
 $65')), ((('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, n, a, a), ((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E$
 $66')), ((('B \bullet C \bullet D \ 5'))))$
 $(a, a, a, a, a, a, a, a), ((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 2'), ('B \cup$
 $D, D \cup E, B \supset E, 2A, 4A')), ((('B \bullet C \bullet D \ 1'))))$
 $(a, a, a, a, a, a, u, n), ((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E$
 $3')), (None))$
 $(a, a, a, a, a, n, u, n), ((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 2'),$
 $(('B \sqcup D, D \cup E, B \cup E, 1A, 5A')), (None))$
 $(a, a, a, a, a, a, u, n), ((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E$
 $19')), (None))$
 $(a, n, a, a, a, a, u, n), ((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E$
 $7')), (None))$
 $(a, n, a, a, a, a, u, n), ((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E$
 $23')), (None))$
 $(a, a, a, a, a, a, a, n), ((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E$
 $67')), ((('B \bullet C \bullet D \ 2'))))$
 $(a, a, a, a, a, a, n, a), ((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 2'),$
 $(('B \sqcup D, D \cup E, B \cup E, 1A, 5N')), ((('B \cup C, C \cup D, B \sqcup D, 1A, 3A'))))$
 $(a, a, a, a, a, a, a, n), ((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 2'),$
 $(('B \cup D, D \cup E, B \supset E, 2A, 4N')), ((('B \bullet C \bullet D \ 2'))))$
 $(a, a, a, a, a, a, n, a), ((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E$
 $33')), ((('B \bullet C \bullet D \ 17'))))$
 $(a, n, a, a, a, a, n, a), ((('B \cup C, C \sqcup E, B \cup E, 1A, 2N'), ('C \bullet D \bullet E \ 2'), ('B \bullet D \bullet E$
 $37')), ((('B \bullet C \bullet D \ 25'))))$
 $(a, n, a, a, a, n, u, a), ((('B \subset C, C \cup E, B \cup E, 3A, 7A'), ('C \bullet D \bullet E \ 2'),$
 $(('B \bullet D \bullet E \ 2')), (None))$
 $(a, n, a, a, a, n, u, a), ((('B \subset C, C \cup E, B \cup E, 3A, 7A'), ('C \bullet D \bullet E \ 2'),$
 $(('B \cup D, D \cup E, B \sqcup E, 1A, 3A')), (None))$

$(a, n, a, a, a, n, u, n), (((B \subset C, C \cup E, B \cup E, 3A, 7A'), (C \bullet D \bullet E \ 2'), (B \sqcup D, D \cup E, B \cup E, 1A, 5A')), (None))$
 $(a, n, a, a, a, n, u, a), (((B \subset C, C \cup E, B \cup E, 3A, 7A'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 10')), (None))$
 $(a, n, a, a, a, n, u, a), (((B \subset C, C \cup E, B \sqcup E, 3A'), (C \bullet D \bullet E \ 2'), (B \cup D, D \cup E, B \sqcup E, 1A, 3A')), (None))$
 $(a, n, a, a, a, n, u, n), (((B \subset C, C \cup E, B \sqcup E, 3A'), (C \bullet D \bullet E \ 2'), (B \sqcup D, D \cup E, B \sqcup E, 1A')), (None))$
 $(a, n, a, n, a, n, u, a), (((B \subset C, C \cup E, B \sqcup E, 3A'), (C \bullet D \bullet E \ 2'), (B \subset D, D \cup E, B \sqcup E, 3A')), (None))$
 $(a, n, u, a, a, n, u, a), (((B \subset C, C \cup E, B \cup E, 3A, 7N'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 2')), (None))$
 $(a, n, a, a, a, n, u, a), (((B \subset C, C \cup E, B \cup E, 3A, 7N'), (C \bullet D \bullet E \ 2'), (B \cup D, D \cup E, B \sqcup E, 1A, 3A')), (None))$
 $(a, n, u, a, a, n, u, n), (((B \subset C, C \cup E, B \cup E, 3A, 7N'), (C \bullet D \bullet E \ 2'), (B \sqcup D, D \cup E, B \cup E, 1A, 5A')), (None))$
 $(a, n, a, a, a, n, u, a), (((B \subset C, C \cup E, B \cup E, 3A, 7N'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 10')), (None))$
 $(a, n, a, a, a, n, u, a), (((B \subset C, C \sqcup E, B \sqcup E'), (C \bullet D \bullet E \ 2'), (B \cup D, D \cup E, B \sqcup E, 1A, 3A')), (None))$
 $(a, n, a, a, a, n, u, n), (((B \subset C, C \sqcup E, B \sqcup E'), (C \bullet D \bullet E \ 2'), (B \sqcup D, D \cup E, B \sqcup E, 1A')), (None))$
 $(a, a, a, a, a, a, a), (((B \bullet C \bullet E \ 73'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 1')), ((B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a), (((B \bullet C \bullet E \ 73'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 17')), ((B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a), (((B \bullet C \bullet E \ 73'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 65')), ((B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a), (((B \bullet C \bullet E \ 73'), (C \bullet D \bullet E \ 2'), (B \cup D, D \cup E, B \supset E, 2A, 4A')), ((B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, n), (((B \bullet C \bullet E \ 73'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 3')), ((B \bullet C \bullet D \ 2')))$
 $(a, a, a, a, a, a, n), (((B \bullet C \bullet E \ 73'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 19')), ((B \bullet C \bullet D \ 2')))$
 $(a, a, a, a, a, a, n), (((B \bullet C \bullet E \ 73'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 67')), ((B \bullet C \bullet D \ 2')))$
 $(a, a, a, a, a, a, n), (((B \bullet C \bullet E \ 73'), (C \bullet D \bullet E \ 2'), (B \cup D, D \cup E, B \supset E, 2A, 4N')), ((B \bullet C \bullet D \ 2')))$
 $(a, a, a, a, a, a, a), (((B \bullet C \bullet E \ 73'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 9')), ((B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a), (((B \bullet C \bullet E \ 73'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 25')), ((B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a), (((B \bullet C \bullet E \ 73'), (C \bullet D \bullet E \ 2'), (B \bullet D \bullet E \ 73')), ((B \bullet C \bullet D \ 1')))$
 $(a, a, a, a, a, a, a), (((B \bullet C \bullet E \ 73'), (C \bullet D \bullet E \ 2'), (B \cup D, D \cup E, B \supset E, 2N, 4A')), ((B \bullet C \bullet D \ 1')))$

(u, a, a, u, a, a, n, a),(((('B●C●E 130'), ('C●D●E 2'), ('B●D●E 33')), (None))
 (u, a, a, u, a, a, n, a),(((('B●C●E 130'), ('C●D●E 2'), ('B●D●E 34')), (None))
 (a, a, a, u, n, a, n, a),(((('B●C●E 130'), ('C●D●E 2'), ('B ⊃ D, D ⊃ E, B ⊃
 E, 2A, 6A')), (None))
 (a, a, a, u, a, a, n, a),(((('B●C●E 130'), ('C●D●E 2'), ('B●D●E 37')), (None))
 (a, a, a, u, a, a, n, a),(((('B●C●E 130'), ('C●D●E 2'), ('B ⊃ D, D ⊃ E, B ⊃
 E, 1A, 3N')), (None))
 (a, a, a, u, n, a, n, a),(((('B●C●E 130'), ('C●D●E 2'), ('B ⊃ D, D ⊃ E, B ⊃
 E, 2A, 6N')), (None))
 (a, a, a, n, a, a, a, a),(((('B●C●E 130'), ('C●D●E 2'), ('B●D●E 9')), (('B●C●D
 3'))))
 (a, a, a, n, a, a, a, a),(((('B●C●E 130'), ('C●D●E 2'), ('B●D●E 10')),
 (('B●C●D 3'))))
 (a, a, a, n, n, a, a, a),(((('B●C●E 130'), ('C●D●E 2'), ('B●D●E 25')),
 (('B●C●D 67'))))
 (a, a, a, n, a, a, n, a),(((('B●C●E 130'), ('C●D●E 2'), ('B●D●E 41')),
 (('B●C●D 19'))))
 (a, a, a, n, a, a, n, a),(((('B●C●E 130'), ('C●D●E 2'), ('B●D●E 42')),
 (('B●C●D 19'))))
 (a, a, a, n, n, a, n, a),(((('B●C●E 130'), ('C●D●E 2'), ('B ⊃ D, D ⊃ E, B ⊃
 E, 2N, 6A')), (('B ⊃ C, C ⊃ D, B ⊃ D, 2A, 4N'))))
 (u, a, a, a, a, a, a, u),(((('B●C●E 130'), ('C●D●E 2'), ('B●D●E 129')),
 (None))
 (u, a, a, a, a, a, a, u),(((('B●C●E 130'), ('C●D●E 2'), ('B●D●E 130')),
 (None))
 (a, a, a, a, n, a, a, u),(((('B●C●E 130'), ('C●D●E 2'), ('B●D●E 145')),
 (None))
 (a, a, a, a, a, a, a, u),(((('B●C●E 130'), ('C●D●E 2'), ('B●D●E 133')),
 (None))
 (a, a, a, a, a, a, a, u),(((('B●C●E 130'), ('C●D●E 2'), ('B ⊃ D, D ⊃ E, B ⊃
 E, 1N, 3A')), (None))
 (a, a, a, a, n, a, a, u),(((('B●C●E 130'), ('C●D●E 2'), ('B●D●E 149')),
 (None))
 (u, a, a, a, a, a, a, n),(((('B●C●E 130'), ('C●D●E 2'), ('B●D●E 131')),
 (None))
 (a, a, a, a, a, a, a, n),(((('B●C●E 130'), ('C●D●E 2'), ('B●D●E 135')),
 (('B●C●D 2'))))
 (a, a, a, a, a, a, a, u),(((('B●C●E 145'), ('C●D●E 2'), ('B●D●E 1')), (None))
 (a, a, a, a, a, a, a, u),(((('B●C●E 145'), ('C●D●E 2'), ('B●D●E 2')), (None))
 (a, a, a, a, n, a, a, u),(((('B●C●E 145'), ('C●D●E 2'), ('B●D●E 17')), (None))
 (a, a, a, a, a, a, a, a),(((('B●C●E 145'), ('C●D●E 2'), ('B●D●E 5')), (('B●C●D
 1'))))
 (a, a, a, a, a, a, a, a),(((('B●C●E 145'), ('C●D●E 2'), ('B ⊃ D, D ⊃ E, B ⊃
 E, 1A, 3A')), (('B●C●D 1'))))
 (a, a, a, a, n, a, a, a),(((('B●C●E 145'), ('C●D●E 2'), ('B●D●E 21')),
 (('B●C●D 65'))))

(n, a, a, a, a, a, a, u),(((('B●C●E 145'), ('C●D●E 2'), ('B●D●E 65')), (None))
 (n, a, a, a, a, a, a, u),(((('B●C●E 145'), ('C●D●E 2'), ('B●D●E 66')), (None))
 (a, a, a, a, a, a, a, n),(((('B●C●E 145'), ('C●D●E 2'), ('B●D●E 3')), (('B●C●D
 2'))))
 (n, a, a, a, a, a, a, n),(((('B●C●E 145'), ('C●D●E 2'), ('B●D●E 67')),
 (('B●C●D 130'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 145'), ('C●D●E 2'), ('B●D●E 33')),
 (('B●C●D 17'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 145'), ('C●D●E 2'), ('B●D●E 34')),
 (('B●C●D 17'))))
 (a, a, a, a, n, a, n, a),(((('B●C●E 145'), ('C●D●E 2'), ('B ⊃ D, D ⊃ E, B ⊃
 E, 2A, 6A')), (('B ⊃ C, C ⊃ D, B ⊃ D, 2A, 4A'))))
 (a, a, a, a, a, a, n, a),(((('B●C●E 145'), ('C●D●E 2'), ('B●D●E 37')),
 (('B●C●D 17'))))