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\langle \{\}, \ \{\}, \ id, \ \{[a']f_n^C \langle (a\,b).X, Y \rangle \approx_? [b']f_n^C \langle (a\,c)(c\,d).X, Y \rangle \} \rangle
                                                                                                                      (\approx_? [\mathbf{ab}])
                                                                   \langle \{\}, \ \{\}, \ id, \ \{f_n^C \langle (a\,b).X, Y \rangle \approx_? f_n^C \langle (a\,c)(c\,d)(a'\,b').X, (a'\,b').Y \rangle, \ a' \#_? f_n^C \langle (a\,c)(c\,d).X, Y \rangle \} \rangle
                                                                                      (\approx_? \mathbf{C})
\{\}, \{\}, id, \{(ab).X \approx_? (ac)(cd)(a'b').X, Y \approx_? (a'b').Y, a' \#_? f_n^C \langle (ac)(cd).X, Y \rangle \}
                                                                                                                                             \{\}, \{\}, id, \{(ab).X \approx_? (a'b').Y, Y \approx_? (ac)(cd)(a'b').X, a' \#_? f_n^C \langle (ac)(cd).X, Y \rangle \} \}
                                               (\approx_? inv)
                                                                                                                                                                                             (\approx_7 \mathbf{inst})
\{\{\}, \{\}, id, \{Y \approx_? (a'b').Y, a' \#_? f_n^C \langle (ac)(cd).X, Y \rangle, (ab)(a'b')(cd)(ac).X \approx_? X\} \}
                                                                                                                                     \{\}, \{\}, X/(a'b')(ab).Y, \{Y \approx_? (a'b')(ab)(ac)(cd)(a'b').Y, a' \#_? f_n^C \langle (a'b')(ab)(ac)(cd).Y, Y \rangle \}
                                                                                                                                                                                             (\approx_? inv)
                                                (\approx_? \mathbf{inv})
\{\}, \{\}, id, \{a' \#_? f_n^C \langle (ac)(cd).X, Y \rangle, (ab)(a'b')(cd)(ac).X \approx_? X, (a'b').Y \approx_? Y \} \}
                                                                                                                                     \{\}, \{\}, X/(a'b')(ab).Y, \{a'\#_? f_n^C((a'b')(ab)(ac)(cd).Y, Y\}, (a'b')(cd)(ac)(ab)(a'b').Y \approx_? Y\}\}
                                              (\#_? \mathbf{app})
                                                                                                                                                                                             (\#_? \mathbf{app})
  \{\}, \{\}, id, \{a' \#_? \langle (ac)(cd).X, Y \rangle, (ab)(a'b')(cd)(ac).X \approx_? X, (a'b').Y \approx_? Y \} \}
                                                                                                                                       \{\}, \{\}, X/(a'b')(ab).Y, \{a'\#_?\langle(a'b')(ab)(ac)(cd).Y,Y\rangle, (a'b')(cd)(ac)(ab)(a'b').Y \approx_? Y\}\}
                                              (#? pair)
                                                                                                                                                                                            (#? pair)
\{\}, \{\}, id, \{a' \#_? (ac)(cd).X, a' \#_? Y, (ab)(a'b')(cd)(ac).X \approx_? X, (a'b').Y \approx_? Y\} \}
                                                                                                                                    \{\}, \{\}, X/(a'b')(ab).Y, \{a'\#?(a'b')(ab)(ac)(cd).Y, a'\#?Y, (a'b')(cd)(ac)(ab)(a'b').Y \approx ?Y\}
                                               (#? var)
                                                                                                                                                                                              (\#_? \mathbf{var})
         \langle \{a' \# X\}, \{\}, id, \{a' \#_? Y, (ab)(a'b')(cd)(ac).X \approx_? X, (a'b').Y \approx_? Y\} \rangle
                                                                                                                                                     \langle \{b'\#Y\}, \{\}, X/(a'b')(ab).Y, \{a'\#_?Y, (a'b')(cd)(ac)(ab)(a'b').Y \approx_? Y\} \rangle
                                               (\#_? \mathbf{var})
                                                                                                                                                                                              (\#_? \mathbf{var})
          \langle \{a' \# Y, a' \# X\}, \{\}, id, \{(ab)(a'b')(cd)(ac).X \approx_? X, (a'b').Y \approx_? Y\} \rangle
                                                                                                                                                      \langle \{a'\#Y, b'\#Y\}, \{\}, X/(a'b')(ab).Y, \{(a'b')(cd)(ac)(ab)(a'b').Y \approx_? Y\} \rangle
                                                            (\top)
                                                                                                                                                                                                          (\top)
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