```
1.
                     a. (\alpha, int, \delta, \alpha, \beta) and (int, \delta, char, \beta, \delta).
                                 - Yes, int = \alpha; \delta = \alpha; \beta = \alpha; char = \alpha
                                 - common type: (\alpha,\alpha,\alpha,\alpha,\alpha)
                      b. (\beta, (\gamma, \eta), (\beta, \alpha)) and ((\alpha, \gamma), \zeta, (\beta, \alpha)).
                                 - Yes, \beta = (\alpha, \gamma); \zeta = (\gamma, \eta)
                                 - Common type: ((\alpha, \gamma), (\gamma, \eta), ((\alpha, \gamma), \alpha))
2.
                      a. [A \mapsto E, D \mapsto E \rightarrow E] is most general as it's mapping two distinct types to the same
                                 type, E without supporting operators
                      b. None of the unifiers are most general, the first and third unifiers both map to a
                                 function with two types and one variable making them equally general
3.
                      a.
                                        i.
                                                       {X = d(Y, Z), X = d(Z, Y)}
                                                       [Y⊬Z] {}
                                       ii.
                      b.
                                        i.
                                                                             \{d(a, b) = d(A, B), f(A) = f(B)\}
                                       ii.
                                                       [A \rightarrow B] {d(a, b) = d(B, B)}
                                      iii.
                                                       [A+B, a+B]
                                                                                                  \{d(B,b) = d(B, B)\}
                                      iν.
                                                       [A→B, a→B, b→B] {}
                     C.
                                        i.
                                                       \{p(X, Y) = p(X, p(X, Z)), Y = p(A, y), X = p(x, Z)\}
                                       ii.
                                                                             {p(p(x,Z),Y) = p(p(x,Z),p(X,Z)), Y=p(A,Y), X=X}
                                      iii.
                                                       [X \mapsto A] {p(A, Y) = p(A, p(A, Z)), Y = p(A, Y), A = p(x, Z)}
                                      ίV.
                                                       ,,,,
                     d.
                                                                             \{t(A, B, d(a, c)) = t(p(a, E), B, C), p(d(E, c), d(a, F)) = p(d(b, F), C)\}
                                        i.
                                       ii.
                                                       [A=p(a, E)]
                                                                                                    \{t(p(a, E), B, d(a, c)) = t(p(a, E), B, C), p(d(E, c), d(a, F)) = t(p(a, E), B, C), p(d(E, c), d(a, F)) = t(p(a, E), B, C), p(d(E, c), d(a, F)) = t(p(a, E), B, C), p(d(E, c), d(a, F)) = t(p(a, E), B, C), p(d(E, c), d(a, F)) = t(p(a, E), B, C), p(d(E, c), d(a, F)) = t(p(a, E), B, C), p(d(E, c), d(a, F)) = t(p(a, E), B, C), p(d(E, c), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(d(E, C), d(a, F)) = t(p(a, E), B, C), p(a, F), 
                                                       p(d(b, F), C)
                                      iii.
                                                       [A=p(a, E), C=d(a, c)] \{p(d(E, c), d(a, F)) = p(d(b, F), d(a, c))\}
                                     ίV.
                                                       [A=p(a, E),C=d(a, c),F=E] {p(d(E, c), d(a, E)) = p(d(b, E), d(a, c))}
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[A=p(a, E), C=d(a, c), F=E, c=E, a=E] {}

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