1a)

$\{exp(list(double, int\ float), \alpha) \stackrel{?}{=} exp(list(\beta, \gamma), list(int))\}$

$\stackrel{1}{\Rightarrow} \{list(double, int, float) \stackrel{?}{=} list(\beta, \gamma), \alpha \stackrel{?}{=} list(int)\}$

$\stackrel{2}{\Rightarrow}$ fail (no unification) ✓

b)

$\{median(\alpha, list(\alpha), max(\beta, int)) \stackrel{?}{=} median(int, list(int), max(float\ \delta))\}$

$\stackrel{1}{\Rightarrow} \{\alpha \stackrel{?}{=} int, list(\alpha) \stackrel{?}{=} list(int), max(\beta, int) \stackrel{?}{=} max(float, \delta)\}$

$\stackrel{5}{\Rightarrow} \{list(\cancel{\alpha}\ int) \stackrel{?}{=} list(int), max(\beta, int) \stackrel{?}{=} max(float, \delta)\}$ -0,5

$\stackrel{1}{\Rightarrow} \{\alpha \stackrel{?}{=} int, max(\beta, int) \stackrel{?}{=} max(float, \delta)\}$

$\stackrel{5}{\Rightarrow} \{max(\beta, int) \stackrel{?}{=} max(float, \delta)\}$ ff.

$\stackrel{1}{\Rightarrow} \{\beta \stackrel{?}{=} float, int \stackrel{?}{=} \delta\}$

$\stackrel{5}{\Rightarrow} \{int \stackrel{?}{=} \delta\}$

$\stackrel{4}{\Rightarrow} \{\delta \stackrel{?}{=} int\}$

$\stackrel{5}{\Rightarrow} \{\}$

Output: $\Theta = \{\alpha \rightarrow int, \beta \rightarrow float, \delta \rightarrow int\}$ ✓

Was ist der vereinigte Term? -0,5

c) $\{func(\beta, \gamma, int) \stackrel{?}{=} func(\alpha, list(\gamma), int\}$

$\stackrel{1}{\Rightarrow} \{\beta \stackrel{?}{=} \alpha, \gamma \stackrel{?}{=} list(\gamma), int \stackrel{?}{=} int\}$

$\stackrel{5}{\Rightarrow} \{\gamma \stackrel{?}{=} list(\gamma), int \stackrel{?}{=} int\}$

$\stackrel{6}{\Rightarrow}$ fail (no unification)

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