

# Logiweb dictionary of EquivalenceRelations

## Up Help

- 0 0 EquivalenceRelations
- 1 0 ( $\dots$ )
- 2 0 Objekt-var
- 3 0 Ex-var
- 4 0 Ph-var
- 5 0 Værdi
- 6 0 Variabel
- 7 1 Op( $*$ )
- 8 2 Op( $*$ ,  $*$ )
- 9 2  $* \ddot{=} *$
- 10 1 ContainsEmpty( $*$ )
- 11 2 Dedu( $*$ ,  $*$ )
- 12 2 Dedu<sub>0</sub>( $*$ ,  $*$ )
- 13 3 Dedu<sub>s</sub>( $*$ ,  $*$ ,  $*$ )
- 14 3 Dedu<sub>1</sub>( $*$ ,  $*$ ,  $*$ )
- 15 3 Dedu<sub>2</sub>( $*$ ,  $*$ ,  $*$ )
- 16 4 Dedu<sub>3</sub>( $*$ ,  $*$ ,  $*$ ,  $*$ )
- 17 4 Dedu<sub>4</sub>( $*$ ,  $*$ ,  $*$ ,  $*$ )
- 18 4 Dedu<sub>4</sub><sup>\*</sup>( $*$ ,  $*$ ,  $*$ ,  $*$ )
- 19 3 Dedu<sub>5</sub>( $*$ ,  $*$ ,  $*$ )
- 20 4 Dedu<sub>6</sub>( $*$ ,  $*$ ,  $*$ ,  $*$ )
- 21 4 Dedu<sub>6</sub><sup>\*</sup>( $*$ ,  $*$ ,  $*$ ,  $*$ )
- 22 1 Dedu<sub>7</sub>( $*$ )
- 23 2 Dedu<sub>8</sub>( $*$ ,  $*$ )
- 24 2 Dedu<sub>8</sub><sup>\*</sup>( $*$ ,  $*$ )
- 25 0 Ex<sub>1</sub>
- 26 0 Ex<sub>2</sub>
- 27 0 Ex<sub>10</sub>
- 28 0 Ex<sub>20</sub>

29 1  $*_{Ex}$   
 30 1  $*^{Ex}$   
 31 4  $\langle * \equiv * \mid * := * \rangle_{Ex}$   
 32 4  $\langle * \equiv^0 * \mid * := * \rangle_{Ex}$   
 33 4  $\langle * \equiv^1 * \mid * := * \rangle_{Ex}$   
 34 4  $\langle * \equiv^* * \mid * := * \rangle_{Ex}$   
 35 0  $ph_1$   
 36 0  $ph_2$   
 37 0  $ph_3$   
 38 1  $*_{Ph}$   
 39 1  $*^{Ph}$   
 40 4  $\langle * \equiv * \mid * := * \rangle_{Ph}$   
 41 4  $\langle * \equiv^0 * \mid * := * \rangle_{Ph}$   
 42 4  $\langle * \equiv^1 * \mid * := * \rangle_{Ph}$   
 43 4  $\langle * \equiv^* * \mid * := * \rangle_{Ph}$   
 44 0  $bs$   
 45 0  $OBS$   
 46 0  $\mathcal{BS}$   
 47 0  $\emptyset$   
 48 0  $ZF_{sub}$   
 49 0  $MP$   
 50 0  $Gen$   
 51 0  $Repetition$   
 52 0  $Neg$   
 53 0  $Ded$   
 54 0  $ExistIntro$   
 55 0  $Extensionality$   
 56 0  $\emptyset_{def}$   
 57 0  $PairDef$   
 58 0  $UnionDef$   
 59 0  $PowerDef$   
 60 0  $SeparationDef$   
 61 0  $CheatAllDisjoint$   
 62 0  $AddDoubleNeg$

63 0 RemoveDoubleNeg  
64 0 AndCommutativity  
65 0 AutoImply  
66 0 Contrapositive  
67 0 FirstConjunct  
68 0 SecondConjunct  
69 0 FromContradiction  
70 0 FromDisjuncts  
71 0 IffCommutativity  
72 0 IffFirst  
73 0 IffSecond  
74 0 ImplyTransitivity  
75 0 JoinConjuncts  
76 0 MP2  
77 0 MP3  
78 0 MP4  
79 0 MP5  
80 0 MT  
81 0 NegativeMT  
82 0 Technicality  
83 0 Weakening  
84 0 WeakenOr1  
85 0 WeakenOr2  
86 0 Formula2Pair  
87 0 Pair2Formula  
88 0 Formula2Union  
89 0 Union2Formula  
90 0 Formula2Sep  
91 0 Sep2Formula  
92 0 SubsetInPower  
93 0 HelperPowerIsSub  
94 0 PowerIsSub  
95 0 (Switch)HelperPowerIsSub  
96 0 (Switch)PowerIsSub

97 0 ToSetEquality  
98 0 HelperToSetEquality(t)  
99 0 ToSetEquality(t)  
100 0 HelperFromSetEquality  
101 0 FromSetEquality  
102 0 HelperReflexivity  
103 0 Reflexivity  
104 0 HelperSymmetry  
105 0 Symmetry  
106 0 HelperTransitivity  
107 0 Transitivity  
108 0 ERisReflexive  
109 0 ERisSymmetric  
110 0 ERisTransitive  
111 0  $\emptyset$ isSubset  
112 0 HelperMemberNot $\emptyset$   
113 0 MemberNot $\emptyset$   
114 0 HelperUnique $\emptyset$   
115 0 Unique $\emptyset$   
116 0 =Reflexivity  
117 0 =Symmetry  
118 0 Helper =Transitivity  
119 0 =Transitivity  
120 0 HelperTransferNotEq  
121 0 TransferNotEq  
122 0 HelperPairSubset  
123 0 Helper(2)PairSubset  
124 0 PairSubset  
125 0 SamePair  
126 0 SameSingleton  
127 0 UnionSubset  
128 0 SameUnion  
129 0 SeparationSubset  
130 0 SameSeparation

131 0 SameBinaryUnion  
132 0 IntersectionSubset  
133 0 SameIntersection  
134 0 AutoMember  
135 0 HelperEqSysNot $\emptyset$   
136 0 EqSysNot $\emptyset$   
137 0 HelperEqSubset  
138 0 EqSubset  
139 0 HelperEqNecessary  
140 0 EqNecessary  
141 0 HelperNoneEqNecessary  
142 0 Helper(2)NoneEqNecessary  
143 0 NoneEqNecessary  
144 0 EqClassIsSubset  
145 0 EqClassesAreDisjoint  
146 0 AllDisjoint  
147 0 AllDisjointImPLY  
148 0 BSsubset  
149 0 Union(BS/R)subset  
150 0 UnionIdentity  
151 0 EqSysIsPartition  
152 2  $*/*$   
153 2  $* \cap *$   
154 1  $\cup*$   
155 2  $* \cup *$   
156 1  $P(*)$   
157 1  $\{*\}$   
158 2  $\{*, *\}$   
159 2  $\langle *, *\rangle$   
160 2  $* \in *$   
161 3  $*(*, *)$   
162 2  $\text{RefRel}(*, *)$   
163 2  $\text{SymRel}(*, *)$   
164 2  $\text{TransRel}(*, *)$

165 2 EqRel(\*,\*)  
166 3 [\* ∈ \*]<sub>\*</sub>  
167 2 Partition(\*,\*)  
168 2 \*=\*  
169 2 \* ⊆ \*  
170 1 ¬\*  
171 2 \* ∉ \*  
172 2 \* ≠ \*  
173 2 \* ∧ \*  
174 2 \* ∨ \*  
175 2 \* ⇔ \*  
176 2 {ph ∈ \* | \*}

*The pyk compiler, version 0.grue.20060417+ by Klaus Grue  
GRD-2006-06-22.UTC:06:16:07.249053 = MJD-53908.TAI:06:16:40.249053 =  
LGT-4657673800249053e-6*