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-- booleanAx . txt
formula_list(usable)  -- two of Huntington's axioms ( 1933 )
-- for Boolean algebras
[ $\forall x, \forall y \mid x \cup y = y \cup x$ ]  -- BI
[ $\forall x, \forall y, \forall z \mid x \cup (y \cup z) = (x \cup y) \cup z$ ]  -- BII
end_of_list
formula_list(usable)  -- third and last Huntington's axiom
[ $\forall x, \forall y \mid \overline{x \cup y} \cup \overline{x \cup y} = x$ ]  -- BIII
end_of_list
-- 3robbinsAx . txt
formula_list(usable)  -- Robbins' variant of the third Huntington axiom
[ $\forall x, \forall y \mid \overline{\overline{x \cup y} \cup \overline{x \cup y}} = x$ ]  -- BIII'
end_of_list
-- peirceanAx0 . txt
formula_list(usable)
[ $\forall x, \forall y, \forall z \mid x \circ (y \circ z) = (x \circ y) \circ z$ ]  -- BIV
[ $\forall x \mid x \overset{\sim}{\sim} = x$ ]  -- BVII
[ $\forall x, \forall y \mid (x \cup y) \overset{\sim}{\sim} = x \overset{\sim}{\sim} \cup y \overset{\sim}{\sim}$ ]  -- BVIII
[ $\forall x, \forall y \mid (x \circ y) \overset{\sim}{\sim} = y \overset{\sim}{\sim} \circ x \overset{\sim}{\sim}$ ]  -- BIX
end_of_list

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-- peirceanAx1 . txt
formula_list(usable)
  [∀x, ∀y, ∀z | (x∪y)oz=xoz∪yoz] -- BV
end_of_list

-- peirceanAx2 . txt
formula_list(usable)
  [∀x | xοι=x] -- BVI
  [∀x, ∀y | x~οxοy∪y=y] -- BX
end_of_list

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-- simplicityAx . txt
formula_list(usable)  -- simplicity axiom
    -- inessential, unused, possibly useful in some cases
    [ $\forall x \mid x = \emptyset \vee \mathbf{1} \circ x \circ \mathbf{1} = \mathbf{1}$ ]
end_of_list
```