Definition 3.6. *[00G] (Solved on 2022-10-11)* **Well-formed formulas** *are*

- *atomic formulas,* i.e. *composed of a single variable, or*

- *a formula of the type* $\neg(\alpha)$ *where* α *is a well-formed formula, or*

-     – *a formula of the type* $(\alpha) \Rightarrow (\beta)$ *, or*
  - *a formula of the type* $(\alpha) \Leftrightarrow (\beta)$ *, or*
  - *a formula of the type* $(\alpha) \vee (\beta)$ *, or*
  - *a formula of the type* $(\alpha) \wedge (\beta)$ *,*
  where α, β *are two well-formed formulas.*