Definition
A complex HASKELL expression $\text{exp}$ is *transformed* into $\text{exp}_{tr}$ iff $\text{exp}_{tr}$ results from $\text{exp}$ by repeated application of Rules (1) – (12) and no rule is applicable to $\text{exp}_{tr}$ any more.

Theorem
Let $\text{exp}$ be a complex HASKELL expression. Then we have:

(a) Application of the rules (1) – (12) *terminates*, i.e., there is an expression $\text{exp}_{tr}$.

(b) Up to Rule (10), the rules are "confluent", i.e., $\text{exp}_{tr}$ is unique up to the order of declarations and nested let-expressions.

(c) $\text{exp}_{tr}$ is a *simple* HASKELL expression.