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(*****
(* ProgrammingLanguageArrow *)
(* *)
(* Arrows in ProgrammingLanguages. *)
(* *)
(*****

```

Generalizable All Variables.

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Require Import Preamble.
Require Import General.
Require Import Categories_ch1_3.
Require Import InitialTerminal_ch2_2.
Require Import Functors_ch1_4.
Require Import Isomorphisms_ch1_5.
Require Import ProductCategories_ch1_6_1.
Require Import OppositeCategories_ch1_6_2.
Require Import Enrichment_ch2_8.
Require Import Subcategories_ch7_1.
Require Import NaturalTransformations_ch7_4.
Require Import NaturalIsomorphisms_ch7_5.
Require Import MonoidalCategories_ch7_8.
Require Import Coherence_ch7_8.
Require Import Enrichment_ch2_8.
Require Import RepresentableStructure_ch7_2.
Require Import FunctorCategories_ch7_7.

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Require Import NaturalDeduction.
Require Import NaturalDeductionCategory.

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Require Import Enrichments.
Require Import Reification.
Require Import GeneralizedArrow.
Require Import ProgrammingLanguage.

```

Section ProgrammingLanguageGeneralizedArrow.

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Context
  '(Guest      : ProgrammingLanguage)
  '(Host       : ProgrammingLanguage)
  (HostMonoidal : MonoidalEnrichment (TypesEnrichedInJudgments Host))
  (HostMonic   : MonicEnrichment    (TypesEnrichedInJudgments Host)).

```

```
Definition GeneralizedArrowInLanguage
  := GeneralizedArrow (TypesEnrichedInJudgments Guest) HostMonoidal.

End ProgrammingLanguageGeneralizedArrow.
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