

# The Ally programming language

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27 August 2011

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## 1 What is it?

The ally grammar describes specialized petrinets that execute general programs which  
are isomorphic to diagrams.

### 1.1 What are.

Petrinets effectively describe concurrent systems.

There are n elements

There are tokens, functions and places. a function pulls one or more tokens from one of more places, uses it as an argument and puts the result in one or more places

### 1.2 Syntax.

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$a \triangleright b \triangleright c \triangleright d \triangleright e$

predicate arrows. These inspect the places before them and put a token in one of two control places.

$+> -> <>$   
 $<+ +> -> <- <> \ll \gg$

$<+$   
 $+>$   


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 $<-$   
 $<>$   
 $\ll$   
 $\gg$   
 $>$   
 $<$