The 27 Languages

$\mathcal{L}_{rec}$	a uniform language with elementary actions, sequential composition and recursion
$\mathcal{L}_{wh}$	a nonuniform language with assignment statements, sequential composition, conditionals and the while statement
$\mathcal{L}_{cf}$	$\mathcal{L}_{rec}$ + nondeterminacy (the control flow of "context free" grammars)
$\mathcal{L}_{gc}$	the guarded commands language
$\mathcal{L}_{gt}$	$\mathcal{L}_{cf}$ with goto's replacing recursion
$\mathcal{L}_{par}$	$\mathcal{L}_{cf}$ + parallel composition
$\mathcal{L}_{pc}$	$\mathcal{L}_{cf}$ + process creation
$\mathcal{L}_{ra}$	$\mathcal{L}_{wh}$ + random assignment
$\mathcal{L}_{fm}$	$\mathcal{L}_{cf}$ + fair merge
$\mathcal{L}_{block}$	a nonuniform language with blocks and recursion
$\mathcal{L}_{fun}$	function procedures with parameters called-by-value
$\mathcal{L}_{svp}$	$\mathcal{L}_{wh}$ + shared variable parallelism
$\mathcal{L}_{cee}$	concurrent evaluation of expressions
$\mathcal{L}_{\mu}$	the μ-calculus
$\mathcal{L}_{bt}$	$\mathcal{L}_{rec}$ + backtracking
$\mathcal{L}_{fork}$	$\mathcal{L}_{wh}$ + the fork statement
$\mathcal{L}_{\delta}$	$\mathcal{L}_{cf}$ + deadlock
$\mathcal{L}_{syn}$	$\mathcal{L}_{par}$ + synchronization
$\mathcal{L}_{aw}$	$\mathcal{L}_{svp}$ + the await statement
$\mathcal{L}_{com}$	$\mathcal{L}_{svp}$ + value passing communication
$\mathcal{L}_{po}$	$\mathcal{L}_{svp}$ + parallel objects
$\mathcal{L}_{rv}$	$\mathcal{L}_{wh}$ + process creation and rendezvous
$\mathcal{L}_{atc}$	$\mathcal{L}_{par}$ + atomization and commit
$\mathcal{L}_{ref}$	$\mathcal{L}_{atc}$ + action refinement
$\mathcal{L}_{hcl}$	two versions (nonuniform/uniform) of Horn clause logic
$\mathcal{L}_{cc}$	a concurrent constraint language
$\mathcal{L}_{as,2}$	a language with second order assignment