

Loom 2.0 Functions

<code>+ number1 number2 number3</code>	[<i>Relation</i>]
<code>- number1 number2 number3</code>	[<i>Relation</i>]
<code>/= number1 number2</code>	[<i>Relation</i>]
<code>< number1 number2</code>	[<i>Relation</i>]
<code><= number1 number2</code>	[<i>Relation</i>]
<code>= number1 number2</code>	[<i>Relation</i>]
<code>> number1 number2</code>	[<i>Relation</i>]
<code>>= number1 number2</code>	[<i>Relation</i>]
<code>add-type instance concept &key kb no-error-p</code>	[<i>Function</i>]
<code>add-value instance role value &key kb no-error-p</code>	[<i>Function</i>]
<code>ask query &key kb 3-valued-p</code>	[<i>Macro</i>]
<code>binary-tuple</code>	[<i>Relation</i>]
<code>call-use-loom packageName &key dont-create-knowledge-base-p knowledge-base-name path-name loom-imports</code>	[<i>Function</i>]
<code>change-kb knowledgeBase &key no-checking-p</code>	[<i>Function</i>]
<code>change-object instance class</code>	[<i>Function</i>]
<code>Character object</code>	[<i>Concept</i>]
<code>clear-kb &optional knowledgeBase &key partitions</code>	[<i>Macro</i>]
<code>compute-conjunction-concept concepts</code>	[<i>Function</i>]
<code>compute-value-restriction concept relation &key return-a-list-p</code>	[<i>Function</i>]
<code>Concept object</code>	[<i>Concept</i>]
<code>concept--characteristics concept characteristic</code>	[<i>Relation</i>]
<code>concept--instances concept instance</code>	[<i>Relation</i>]
<code>concept--name concept symbol</code>	[<i>Relation</i>]
<code>concept--restrictions concept restriction</code>	[<i>Relation</i>]
<code>concept-p object</code>	[<i>Function</i>]
<code>Cons-Or-Null object</code>	[<i>Concept</i>]
<code>Constant object</code>	[<i>Concept</i>]
<code>copy-instance instance &key identifier kb add-suffix-p</code>	[<i>Function</i>]
<code>count setOfObjects number</code>	[<i>Relation</i>]
<code>create identifier concept &key kb add-suffix-p clos-instance-p</code>	[<i>Function</i>]
<code>create-concept name type kb</code>	[<i>Function</i>]
<code>createm identifier concept &key kb add-suffix-p clos-instance-p</code>	[<i>Macro</i>]
<code>current-kb</code>	[<i>Function</i>]
<code>defaction name parameters &key filters missing-methods</code>	[<i>Macro</i>]
<code>default antecedent consequent</code>	[<i>Macro</i>]
<code>defconcept name &optional documentation &key is is-primitive implies defaults partitions exhaustive-partitions in-partition predicate function roles indices keys mixin-classes mixin-slots annotations identifier kb characteristics</code>	[<i>Macro</i>]
<code>define-concept &key name is is-primitive implies defaults partitions exhaustive-partitions in-partition predicate function mixin-classes mixin-slots annotations identifier kb characteristics</code>	[<i>Function</i>]

define-relation &key name is is-primitive implies domain domains range arity predicate function inheritance-link inheritance-method annotations identifier kb characteristics	[Function]
defkb <i>name parentKbs</i> &key path-name package export-names-p monotonic-p	[Macro]
defmethod <i>name parameters</i> &key title situation with overrides response	[Macro]
defproduction <i>name</i> &key when perform schedule do priority	[Macro]
defrelation <i>name</i> &optional <i>documentation</i> &key is is-primitive implies domain domains range arity predicate function inheritance-link inheritance-method annotations identifier kb characteristics	[Macro]
defset <i>name</i> &optional <i>documentation</i> &key is annotations identifier kb	[Macro]
delete-all-methods <i>action</i>	[Function]
delete-concept <i>concept</i> &key type delete-merged-concepts-p	[Function]
delete-method &key action title method error-p	[Function]
delete-production <i>production</i> &key error-p	[Function]
destroy-unclassified-concepts	[Function]
destroy <i>instance</i> &key dont-unintern-p	[Method]
destroym <i>instance</i> &key dont-unintern-p	[Macro]
direct-subconcepts <i>concept1 concept2</i>	[Relation]
direct-superconcepts <i>concept1 concept2</i>	[Relation]
disjoint-concepts-p <i>concept1 concept2</i>	[Method]
do-instances <i>variable</i> &body <i>body</i>	[Macro]
do-retrieve <i>variables query</i> &body <i>body</i>	[Macro]
fadd-value <i>instance role value</i>	[Function]
fail &optional <i>result</i>	[Macro]
fb <i>behaviorOrTitle</i> &optional <i>title</i>	[Macro]
fc <i>datum</i> &key kb	[Macro]
fget-value <i>instance role</i>	[Macro]
finalize-definitions	[Function]
find-action <i>action</i> &key no-warning-p	[Function]
find-concept <i>concept</i> &key no-warning-p ignore-package-p kb	[Function]
find-definitional-cycles	[Function]
find-instance <i>instance</i> &key no-warning-p ignore-package-p kb	[Function]
find-kb <i>kb</i> &key no-warning-p	[Function]
find-knowledge-base-of-instance <i>instance</i>	[Function]
find-method <i>actionOrTitle</i> &optional <i>title</i> &rest <i>no-error-p</i>	[Macro]
find-or-create-instance <i>instance concept</i>	[Function]
find-production <i>production</i> &key no-warning-p	[Function]
find-relation <i>relation</i> &key no-warning-p ignore-package-p kb	[Function]
find-subsumers&subsumees <i>expression</i> &optional <i>kb</i>	[Function]
fi <i>datum</i> &key kb	[Macro]
forget &body <i>propositions</i>	[Macro]
forgetm &body <i>propositions</i>	[Macro]
fremove-value <i>instance role value</i>	[Function]
fr <i>datum</i> &key kb	[Macro]
fset-value <i>instance role value</i>	[Function]
get-action <i>action</i> &key no-error-p	[Function]
get-concept <i>concept</i> &key no-error-p kb	[Function]
get-indices <i>concept</i> &key direct-p	[Function]
get-instance <i>instance</i> &key error-p kb	[Function]

<code>get-instances</code>	<i>concept &key direct-p asserted-p</i>	[Function]
<code>get-inverse-values</code>	<i>instance role &key kb no-error-p</i>	[Function]
<code>get-keys</code>	<i>concept &key direct-p</i>	[Function]
<code>get-matching-instances</code>	<i>concepts roleFillers</i>	[Function]
<code>get-method</code>	<i>action title &key no-error-p</i>	[Function]
<code>get-name</code>	<i>object</i>	[Function]
<code>get-production</code>	<i>production &key no-error-p</i>	[Function]
<code>get-relation</code>	<i>relation &key no-error-p kb</i>	[Function]
<code>get-role</code>	<i>concept relation</i>	[Function]
<code>get-role-cardinality</code>	<i>conceptOrInstance relation</i>	[Function]
<code>get-role-default-values</code>	<i>concept relation</i>	[Function]
<code>get-role-max-cardinality</code>	<i>conceptOrInstance relation</i>	[Method]
<code>get-role-min-cardinality</code>	<i>conceptOrInstance relation</i>	[Method]
<code>get-role-types</code>	<i>conceptOrInstance relation</i>	[Method]
<code>get-role-values</code>	<i>conceptOrInstance relation</i>	[Method]
<code>get-roles</code>	<i>concept</i>	[Function]
<code>get-subconcepts</code>	<i>concept &key direct-p</i>	[Function]
<code>get-subrelations</code>	<i>relationOrConcept &key direct-p</i>	[Function]
<code>get-superconcepts</code>	<i>concept &key direct-p</i>	[Function]
<code>get-superrelations</code>	<i>relationOrConcept &key direct-p</i>	[Function]
<code>get-types</code>	<i>instance &key asserted-p direct-p</i>	[Function]
<code>get-value</code>	<i>instance role &key direct-p kb no-error-p</i>	[Function]
<code>get-values</code>	<i>instance role &key direct-p kb no-error-p</i>	[Function]
<code>get-version-string</code>		[Function]
<code>identifier--instance</code>	<i>symbol instance</i>	[Relation]
<code>implies</code>	<i>antecedent consequent</i>	[Macro]
<code>in-kb</code>	<i>knowledgeBase</i>	[Macro]
<code>Incoherent</code>	<i>object</i>	[Concept]
<code>Incoherent-Concept</code>	<i>object</i>	[Concept]
<code>initialize-instances</code>		[Function]
<code>initialize-network</code>	<i>&key destroy-kbs-p</i>	[Function]
<code>initialize-tasks</code>		[Function]
<code>instance-p</code>	<i>object</i>	[Function]
<code>instance--asserted-concepts</code>	<i>instance concept</i>	[Relation]
<code>instance--cached-concepts</code>	<i>instance concept</i>	[Relation]
<code>instance--concepts</code>	<i>instance concept</i>	[Relation]
<code>instance--identifier</code>	<i>instance symbol</i>	[Relation]
<code>instance--type</code>	<i>instance concept</i>	[Relation]
<code>isa-p</code>	<i>object concept</i>	[Relation]
<code>Integer</code>	<i>object</i>	[Concept]
<code>kill-task</code>	<i>task</i>	[Function]
<code>Knowledge-Base</code>	<i>object</i>	[Concept]
<code>list-dependents</code>	<i>concept &key all-p</i>	[Function]
<code>list-depend-ons</code>	<i>concept &key all-p</i>	[Function]
<code>list-features</code>	<i>&key dont-display-p</i>	[Function]
<code>list-instances</code>		[Function]
<code>list-inverse-role-names&values</code>	<i>instance</i>	[Function]
<code>list-kb</code>	<i>&optional knowledgeBase &key partitions sort-p</i>	[Macro]

<code>list-knowledge-bases</code>	[Function]
<code>list-merged-concepts &optional kb</code>	[Function]
<code>list-methods action</code>	[Function]
<code>list-productions &key kb</code>	[Function]
<code>list-role-names&values instance</code>	[Function]
<code>list-system-defined-concepts &optional kb</code>	[Function]
<code>list-tasks list-tasks &key priorities</code>	[Function]
<code>list-tuples relation</code>	[Function]
<code>list-unclassified-concepts</code>	[Function]
<code>list-undefined-concepts &optional kb</code>	[Function]
<code>load-kb knowledgeBase &key path-name</code>	[Function]
<code>load-loom-patches &key source-if-newer-p</code>	[Function]
<code>load-loom-patches &key source-if-newer-p</code>	[Function]
<code>loom-concept instance</code>	[Slot]
<code>Loom-Thing object</code>	[Concept]
<code>make-object class &body initargs &key identifier kb</code>	[Macro]
<code>max setOfNumbers number</code>	[Relation]
<code>Max-Restriction-P object</code>	[Concept]
<code>member-of object set</code>	[Relation]
<code>members set object</code>	[Relation]
<code>Meta-Concept object</code>	[Concept]
<code>meta-concept-p object</code>	[Function]
<code>min setOfNumbers number</code>	[Relation]
<code>Min-Restriction-P object</code>	[Concept]
<code>most-general-concepts conceptList</code>	[Function]
<code>most-specific-concepts conceptList</code>	[Function]
<code>n-ary-tuple</code>	[Relation]
<code>name--concept symbol concept</code>	[Relation]
<code>name--relation symbol relation</code>	[Relation]
<code>new-time-point</code>	[Function]
<code>Non-Loom-Thing object</code>	[Concept]
<code>Number object</code>	[Concept]
<code>object-name object</code>	[Method]
<code>pb behavior &optional title</code>	[Macro]
<code>pc datum</code>	[Macro]
<code>perform (actionName &rest arguments) &key returnOption</code>	[Macro]
<code>perform-task task returnOption</code>	[Function]
<code>pi datum &key assertions-only-p</code>	[Macro]
<code>power-level &optional level</code>	[Function]
<code>po object</code>	[Function]
<code>pprint-object object &optional stream</code>	[Function]
<code>predecessor set member1 member2</code>	[Relation]
<code>Primitive-P object</code>	[Concept]
<code>print-methods action</code>	[Function]
<code>pr datum</code>	[Macro]
<code>query variables expression</code>	[Function]
<code>Relation object</code>	[Concept]
<code>relation-p object</code>	[Function]

<code>relation--domain</code>	<i>relation concept</i>	[<i>Relation</i>]
<code>relation--name</code>	<i>relation symbol</i>	[<i>Relation</i>]
<code>relation--range</code>	<i>relation concept</i>	[<i>Relation</i>]
<code>relation--restrictions</code>	<i>relation restriction</i>	[<i>Relation</i>]
<code>remove-type</code>	<i>instance concept &key kb no-error-p</i>	[<i>Function</i>]
<code>remove-value</code>	<i>instance role value &key kb no-error-p</i>	[<i>Function</i>]
<code>rename-concept</code>	<i>newName concept &key type</i>	[<i>Function</i>]
<code>reset-features</code>		[<i>Function</i>]
<code>Restriction-P</code>	<i>object</i>	[<i>Concept</i>]
<code>restriction--concepts</code>	<i>restriction concept</i>	[<i>Relation</i>]
<code>restriction--max</code>	<i>restriction max</i>	[<i>Relation</i>]
<code>restriction--min</code>	<i>restriction min</i>	[<i>Relation</i>]
<code>restriction--relation</code>	<i>restriction relation</i>	[<i>Relation</i>]
<code>restriction--value-restriction</code>	<i>restriction vr</i>	[<i>Relation</i>]
<code>retrieve</code>	<i>variables query &key kb generators</i>	[<i>Macro</i>]
<code>role-members</code>	<i>instance relation value</i>	[<i>Relation</i>]
<code>same-as</code>	<i>set1 set2</i>	[<i>Relation</i>]
<code>save-kb</code>	<i>&optional knowledgeBase &key partitions path-name</i>	[<i>Function</i>]
<code>schedule</code>	<i>(actionName &rest arguments) &key priority</i>	[<i>Macro</i>]
<code>schedule-task</code>	<i>task</i>	[<i>Function</i>]
<code>scheduled-p</code>	<i>task</i>	[<i>Function</i>]
<code>set-features</code>	<i>&rest features</i>	[<i>Function</i>]
<code>set-value</code>	<i>instance role value &key kb no-error-p</i>	[<i>Function</i>]
<code>set-values</code>	<i>instance role values &key kb no-error-p</i>	[<i>Function</i>]
<code>show-all</code>	<i>object &key stream</i>	[<i>Method</i>]
<code>show-progress</code>	<i>activity</i>	[<i>Function</i>]
<code>show</code>	<i>object &key stream</i>	[<i>Method</i>]
<code>Single-Valued-P</code>	<i>object</i>	[<i>Concept</i>]
<code>String</code>	<i>object</i>	[<i>Concept</i>]
<code>subconcept-p</code>	<i>concept1 concept2 &key cant-be-equal-p</i>	[<i>Macro</i>]
<code>subconcepts</code>	<i>concept1 concept2</i>	[<i>Relation</i>]
<code>subset</code>	<i>set1 set2</i>	[<i>Relation</i>]
<code>successor</code>	<i>set member1 member2</i>	[<i>Relation</i>]
<code>sum</code>	<i>setOfNumbers number</i>	[<i>Relation</i>]
<code>superconcepts</code>	<i>concept1 concept2</i>	[<i>Relation</i>]
<code>Symbol</code>	<i>object</i>	[<i>Concept</i>]
<code>tell</code>	<i>&body propositions</i>	[<i>Macro</i>]
<code>tellm</code>	<i>&body propositions</i>	[<i>Macro</i>]
<code>term-implies</code>	<i>concept1 concept2</i>	[<i>Relation</i>]
<code>test-not-type-p</code>	<i>instance concept &key kb no-error-p</i>	[<i>Function</i>]
<code>test-type-p</code>	<i>instance concept &key kb no-error-p</i>	[<i>Function</i>]
<code>Thing</code>	<i>object</i>	[<i>Concept</i>]
<code>trace</code>	<i>&body functionNames</i>	[<i>Macro</i>]
<code>trace-all</code>		[<i>Function</i>]
<code>unmake-object</code>	<i>instance</i>	[<i>Function</i>]
<code>unset-features</code>	<i>&rest features</i>	[<i>Function</i>]
<code>untrace</code>	<i>&body functionNames</i>	[<i>Macro</i>]
<code>untrace-all</code>		[<i>Function</i>]

<code>use-loom</code>	<code>packageName &key dont-create-knowledge-base-p knowledge-base-name</code>	<code>[Macro]</code>
	<code>path-name loom-imports</code>	
<code>User-Defined-P</code>	<code>object</code>	<code>[Concept]</code>
<code>Value-Restriction-P</code>	<code>object</code>	<code>[Concept]</code>
<code>where-is-it</code>	<code>object</code>	<code>[Function]</code>
<code>why</code>	<code>premise</code>	<code>[Macro]</code>
<code>with-default-features</code>	<code>&body body</code>	<code>[Macro]</code>
<code>with-feature-changes</code>	<code>(&key set unset) &body body</code>	<code>[Macro]</code>
<code>with-features</code>	<code>(features) &body body</code>	<code>[Macro]</code>