

**RandomNumber**

<b>COLLABORATORS</b>
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	<i>TITLE :</i> RandomNumber		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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<b>REVISION HISTORY</b>
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NUMBER	DATE	DESCRIPTION	NAME

# Contents

<b>1</b>	<b>RandomNumber</b>	<b>1</b>
1.1	RandomNumber . . . . .	1
1.2	TMP:Modula-2/RandomNumber.def . . . . .	1

## Chapter 1

# RandomNumber

### 1.1 RandomNumber

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GetSeed  
Random

PutSeed

RND

### 1.2 TMP:Modula-2/RandomNumber.def

```
DEFINITION MODULE RandomNumber; (* jr/2jul87 *)
(*$ LargeVars:=FALSE NameChk:=FALSE *)

PROCEDURE Random(): REAL;
(*
  This function returns real pseudo-random numbers in
  the range [0,1). It is guaranteed that the period of
  the sequence is greater than 2^23.
*)

PROCEDURE RND(n: LONGINT): LONGINT;
(*
  This function returns integer pseudo-random numbers in
  the range [0,n). It's function can be thought as
  rolling a dice with n sides. So you can implement a
  'true' dice with a function like: eyes:=RND(6)+1
*)

PROCEDURE GetSeed(VAR s:LONGINT);

PROCEDURE PutSeed(s:LONGINT);

END RandomNumber.
```