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→ Blocking statements,

these state one the state ments which one executed in the order they are specified in a procedure block.

In simple words, if a blocking installation is executing it blocks the execution of all Statements which follows.

integer a,b,c;

initial

begin a=1; b=2; c=3; b=a+5; c=a-b;end

initially  $|a=1|_{1}b=2, C=3,$   $a=b+c \Rightarrow 3.$   $b=a+5 \Rightarrow 3+5 \Rightarrow 8.$   $c=a-b \Rightarrow 3-8 \Rightarrow \boxed{5}.$ 

so pas the statements are executed the corresponding values are also updated.

Mainly used for combinational Circuits.
As they grets executed in specific order.

Non-Blocking statements,

Non-blocking statements literally do not block the execution of the next statements.

Non blocking statements result in simutaneous or Parallel statement execution.

Suitable for sequential togic (kts.

Used whenever concurrent procedural assignment is needed.

integer albic; initial begin a=1; b=2; (=3; Q < = # 5 b+ c; b = #5 a+5; cc= #5 a-b;

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initially, a=1, b=2, c=3, a= b+c = 5. b= a+5 = 1+5 > 6 C = a-b=1-2 ⇒ ①.

Here values (initial) are simutaneously assigned to every equection so, the values are not Changed after each execution.