



- 1- The first code can be synthesised into a combinational circuit as it has a static *for*-loop bound that can be determined at compile time
- 2- The second code can also be synthesised into a combinational circuit as it has a static *for*-loop bound that can be determined at compile time
- 3- The third code cannot be synthesised into a combinational circuit as the loop bound determined as run-time based on the value assigned to a and b variables in each iteration.