

Start

Generate all possible  
projections using Benchmark  
cases and design constraints

No Any new subset of N projections?

Yes

Generate Verilog model for the  
corresponding MLBlock instance

Run the synthesis

Extract the post-synthesis  
area report

Calculate the average  
utilization rate for the  
projection subset

Does it deliver the best utilization per area?

yes

no

Save the subset as the best solution

Generate MLBlock Verilog model using  
the best subset of N projections

