

Create Patterns / Chains  
Make resident / Add To Group  
Assign Sequences / VirtAccs

Trim Values  
(bypass trim?)

Read Pattern Group

Save / Set  
reduction misusing  
Pattern.setRepetitionCount  
or in opstore  
or in lsa app tables

Send scheduling  
for Master Graph Generation

**LSA**



For the Emergency System reduction could be saved in Pattern.setRepetitionCount

Unilac Pattern Group - Depending on Non-Mux split -> 35-41 Chains

VirtAcc	Reduction (Unters.)	UR_TO_GUH1MU2 PZU_QR	UL_TO_GUH1MU2 PZU_QL	UR_TO_GUN3BC1L PZU_QN	GUN3BC1L_TO_GUN3MU2 PZU_UN	GUN3BC1L_TO_GUS3MK1 PZU_UH	GUS3MK1_TO_GU11MK0 PZU_AT	GTK3MK4_TO_GTK3BC1L PZU_TK
-	1	[Blue hatched box]						
0	1							
1	1		[Red dotted oval]			[Red dotted oval]	[Red dotted oval]	[Red dotted oval]
2	1		[Red dotted oval]			[Red dotted oval]	[Red dotted oval]	
3	25	[Red dotted oval]				[Red dotted oval]	[Red dotted oval]	
4	50	[Red dotted oval]				[Red dotted oval]	[Red dotted oval]	
5	25		[Red dotted oval]			[Red dotted oval]		
6	10			[Red dotted oval]	[Red dotted oval]		[Red dotted oval]	
7								
8								
9								
10								
11								
12								
13								
14	1	[Blue hatched box]	[Blue hatched box]	[Blue hatched box]	[Blue hatched box]	[Blue hatched box]	[Blue hatched box]	[Blue hatched box]
15	1	[Blue hatched box]	[Blue hatched box]	[Blue hatched box]	[Blue hatched box]	[Blue hatched box]	[Blue hatched box]	[Blue hatched box]

NonMux Chain(s)  
=> No timing, not in the DM

TODO: Don't forget about source test stands

Normal Chains  
VirtAcc No. 1 to 13  
=> 1 Block per Chain in the DM

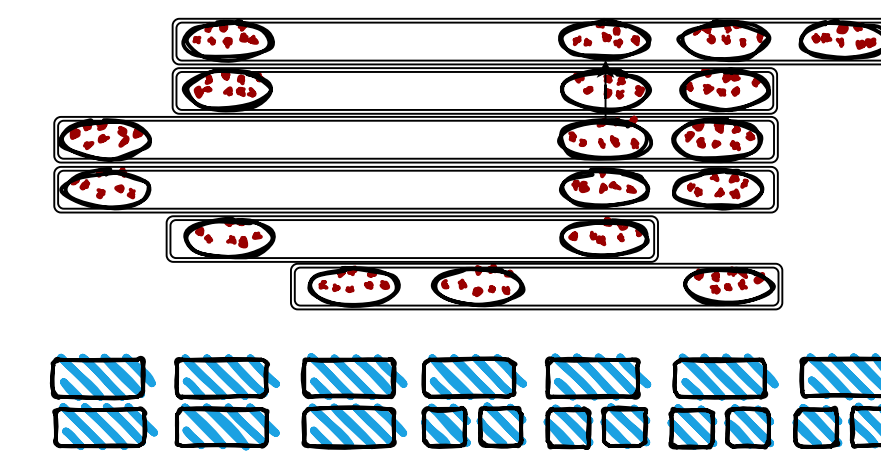
VirtAcc No. 14  
• Stabilization Chains for Sources  
• Conditioning Chains for RF  
=> 7 Blocks in the DM

VirtAcc No. 15  
• Stabilization Chains for RF  
• NOP-Chains  
=> 7 Blocks in the DM

Send Pattern Group or Pattern/Chain Graphs

**BSS**

HSI	HLI	ALV	EH	TK
HSI01	HLI03	ALV01	-	TK01
-	HLI02	ALV02	EH02	TK05
-	HLI02	ALV02	EH02	-
HSI04	HLI02	ALV02	EH02	TK05
-	HLI02	ALV02	EH02	-
HSI01	HLI03	ALV01	-	TK01



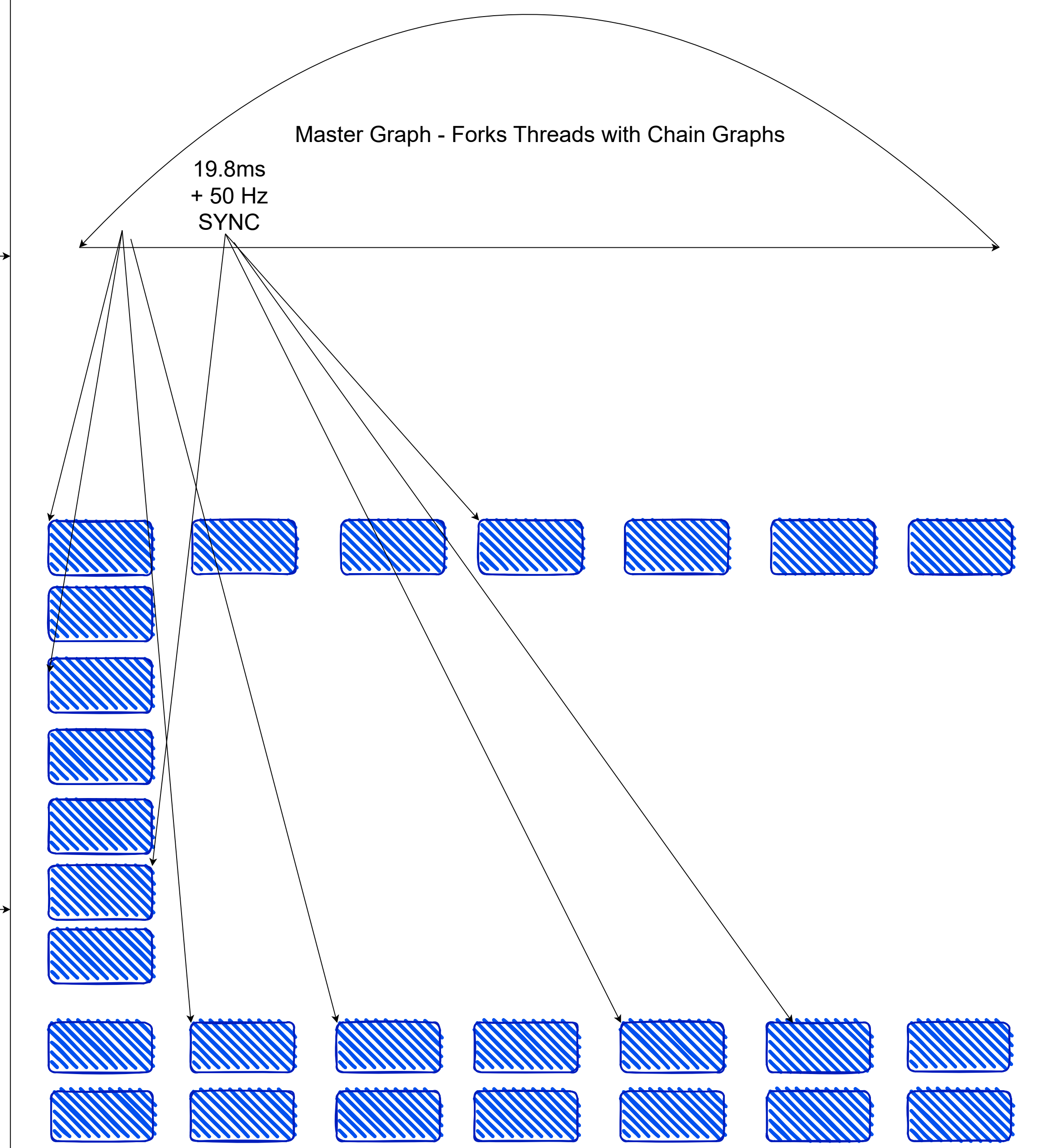
**Data Master**

Master Graph - Forks Threads with Chain Graphs

19.8ms + 50 Hz SYNC

Generate Master Graph

Pass on Pattern / Chain Graphs



**Devices**

