Task1 excution time : 1 micro secound

Task2 excution time : 1 micro secound

Task3 excution time : 1 micro secound

Task4 excution time : 43.31 micro secound

Task5 excution time : 5 mille secound

Task6 excution time : 12 mille secound

Hyper period = 100 ms ;

CPU load:

U = E1 +E2 + E3 +E4 +E5 +E6

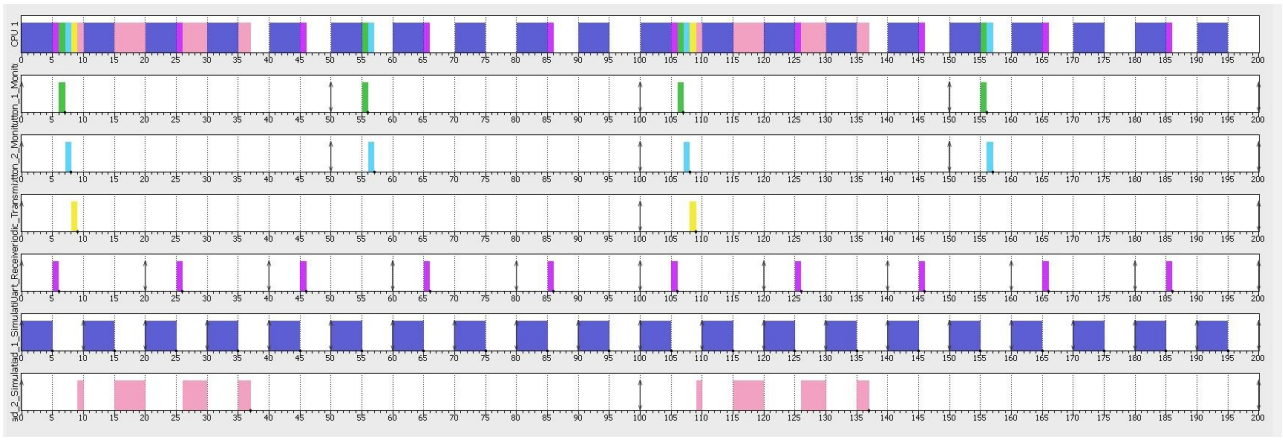
U=(1*10^-6*2)+ (1*10^-6*2)+ (43.31*10^-6*1)+ (1*10^-6*5)+ (5*10^-3*10)+ (12*10^-3) = 63.04731%

check system schedulability using URM:

U = (1*10^-6/50)+ (1*10^-6/50)+ (1*10^-6/100)+ (43.31*10^-6/20)+(5/10)+(12/100) = .62

URM = 6*(2^(1/6)-1) = .73477

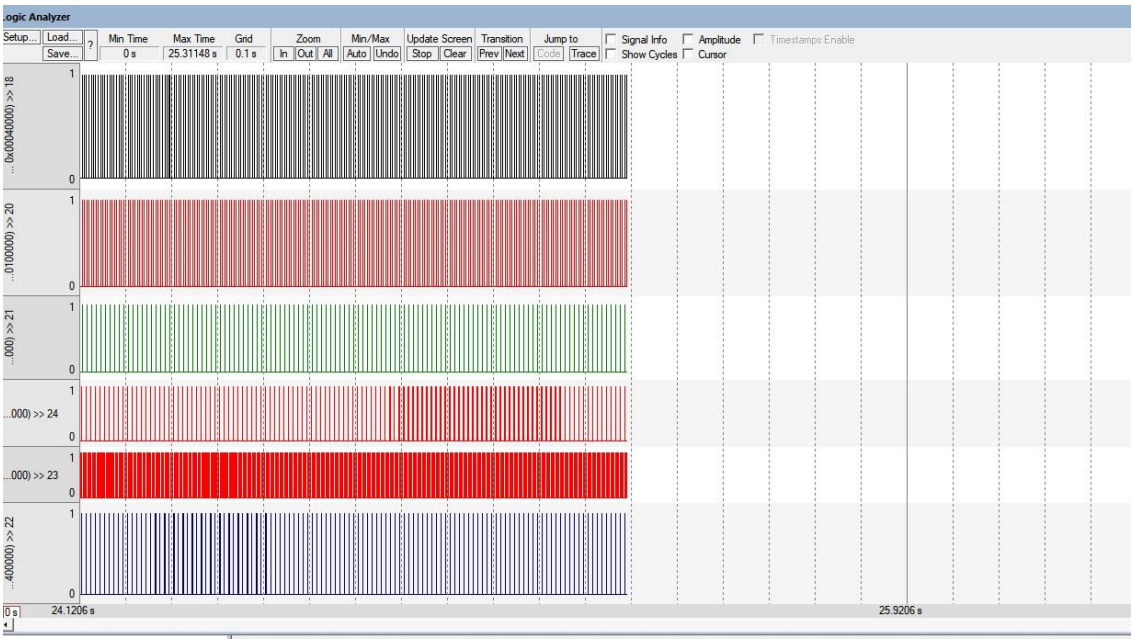
URM > U so the system is schedulabe



simso_project.xml

General | Logs | Tasks | Scheduler | Processors

Observation Window:

from 0.00 to 200.00 ms

	Total load	Payload	System load
CPU 1	0.7200	0.7200	0.0000
Average	0.7200	0.7200	0.0000