



IN5130 Oblig-II 2022

Solution proposal



Solution Question 1

- 1a) 18. There are 9 messages if we skip for loop and veto.
- 1b) 20. There are 10 messages if we skip for loop but execute the veto operand.
- 1c) 4. The only source of nondeterminism is ?Update(CM) that may occur anywhere in between <!Update(CM), !Activate(CM), ?Activate(CM), !Train, ?Train>
- 1d) 24. There are two sources of nondeterminism
 - ?Update(CM) that may occur anywhere in between <!Update(CM), !Activate(CM), ?Activate(CM), !Finished, ?Finished>
 - !UserData that may occur anywhere in between <!Changes(M), ?Changes(M), !Changes(M), ?Changes(M), !Changes(M), ?Changes(M), ?UserData>