context: Sistema :: Crear Activitat (nomR : String, dataA : Date, dorsalP : Natural)
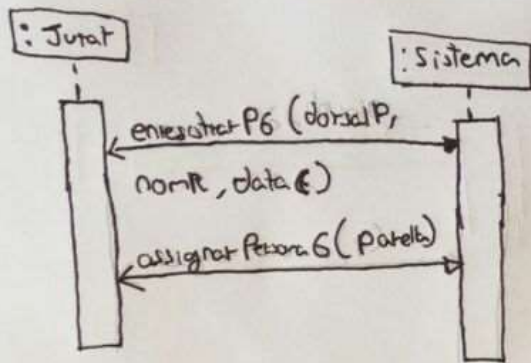
pre: Recinte.AllInstances() → exists (r | r.nom = nomR) and
      Data.AllInstances() → exists (d | d.data = dataA)

post: IF [Activitat.AllInstances() → exists (a | a.recinte.nom = nomR
       and a.data.data = dataA and a.oclIsTypeOf(Concurs))
       Activitat.AllInstances() → exists (a | a.oclAsType(Concurs).
       patella → size() ≥ 1 and a.oclAsType(Concurs).patella
       → size() ≤ 10)
       endif
       Activitat.AllInstances() → exists (a | a.recinte.nom = nomR and
       a.data.data = dataA and a.oclIsNew())

context: Sistema :: Crear Patella (nomPh : String, nomPd : String)
    pre: Persona.AllInstances() → exists (p | p.nom = nomPh) and
         Persona.AllInstances() → exist (p | p.nom = nomPd)

    post: Patella.AllInstances() → exists (p | p.persona.nom = nomPh
          and p.persona.nom = nomPd } and p.oclIsNew())

context: Sistema :: enregistrat P6 (dorsalP : Natural, nomR : String, dataC : Date)
  : Paella Participant

pre: Activitat.oclAsType(Concurs). paella participant. AllInstances →
    exists (pp| pp.dorsal = dorsalP and pp.concurs.nom = nomR
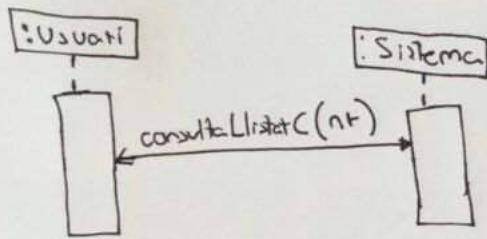   and pp.concurs.data = dataC)

post: Paella Participant. AllInstances() → exists(pp | pp.oclIsTypeOF(
    Paella Guanyadora) and pp.oclAsType(Paella Guanyadora).oclIs
    New() and result = pp)

context: Sistema :: assignar Persona6 (paella1: Paella Participant)
  pre:
  post: Paella. AllInstances() → exists (p| p.paella participat = paella
  and p.persona.concursosguanyats = paella1 paella.concursos guanyats
  +1)

context: Sistema :: consulta Llistat C (nt: String) : Set (TupleType (d : Date , n : Natural))

pre:

body: let concursos : set (Activitat. oclAsType (Concurs)) =

Activitat. oclAsType (Concurs). AllInstances () → select (

c | c. oclIsTypeOf (Concurs) and not Activitat. oclAsType (

Exhibicio). data. AllInstances() → exists (d | d.data = c.data.

data) and ~~manipulation illegible~~

~~illegible~~ c. recinte .nom = nt} and c. parella →

size() > 25)

In

result = concursos → collect (c | Tuple { d = c.data. data,

n = c. parella → size() * 2 })