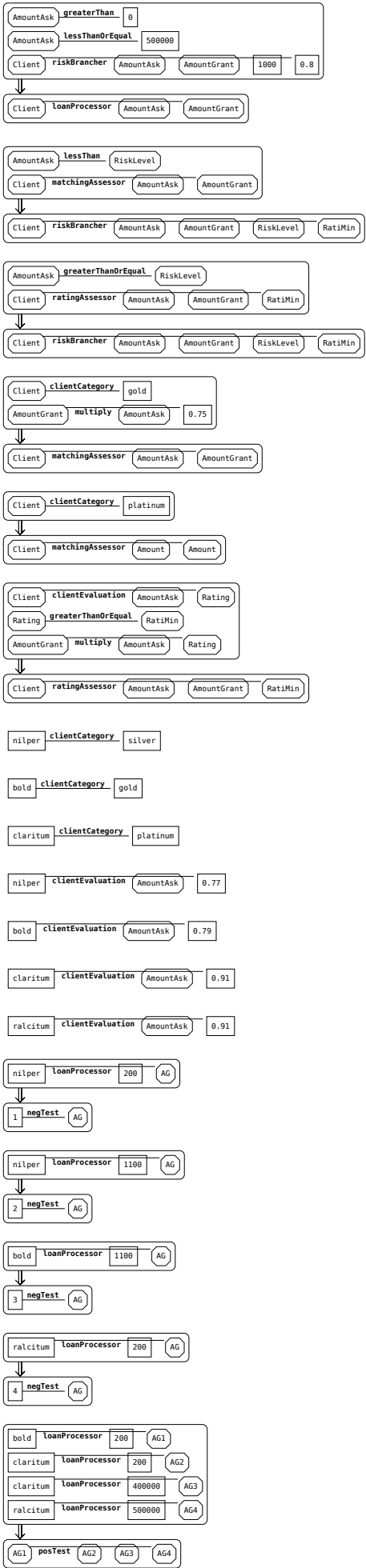


[Powrót do samurai:start](#)

Loan Processor

- [Presentation](#)
- [Wersja w datalogu](#) - 6 reguł



- [Wersja w Prologu \(by KKR\)](#)

Model in CLIPS

- Model 1: [lp-clips.clp](#)
- Rules: 8
- Uwagi:
 - The datalog example uses backward chaining
 - The forward chaining version of the case must provide more data types of which facts are generated by rules in order to activate another rules.
 - It is necessary to set fact duplication to false (set-fact-duplication FALSE) in order to avoid rematching rules riskBrancher1 and riskBrancher2

Model in Jess

- Model 1: [lp-jess.clp](#)
- Rules: 8
- Uwagi:
 - Jess does not allow for using '(range)' construct within slot definition - the domain of slots can be set by using (allowed-values). However listing of all values from range e.g. [18, 120] is inefficient.
 - Jess does not allow for fact duplication - such behavior is necessary for this model.

Model in Drools

- Model 1: [lp-drools.drl](#)
- Rules: 9 (including initial rules that asserts facts)
- Uwagi:
 - Drools allows for fact duplication default. Thus rules riskBrancher1 and riskBrancher2 requires additional condition that checks if a given Rating/MatchingAssessor already exists:

```
rule "riskBrancher1"
when
    RiskBrancher($clientname : Client, $risklevel : RiskLevel)
    LoanRequest(Client == $clientname, $amountask : AmountAsk,
AmountAsk < $risklevel)
    not(MatchingAssessor(Client == $clientname, AmountAsk ==
$amountask))
then
    insert(new MatchingAssessor($clientname, $amountask));
    //System.out.println("For client " + $clientname + ": The
asked amount is less than risk level: asked = " + $amountask + ",
risk = " + $risklevel);
end
```

```
rule "riskBrancher2"
when
    RiskBrancher($clientname : Client, $risklevel : RiskLevel,
    $ratingmin : RatingMin)
    LoanRequest(Client == $clientname, $amountask : AmountAsk,
    AmountAsk >= $risklevel)
    not(RatingAssessor(Client == $clientname, AmountAsk ==
    $amountask, RatingMin == $ratingmin))
then
    insert(new RatingAssessor($clientname, $amountask,
    $ratingmin));
    //System.out.println("For client " + $clientname + ": The
    asked amount is greater or equal than/to risk level: asked = " +
    $amountask + ", risk = " + $risklevel);
end
```

Model in XTT2

- Model 1: [lp-xtt.html](#) [lp-hmr.pl](#)
- Rules: 9
- Uwagi:

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