

Net: NER\_GG\_repair\_example.project

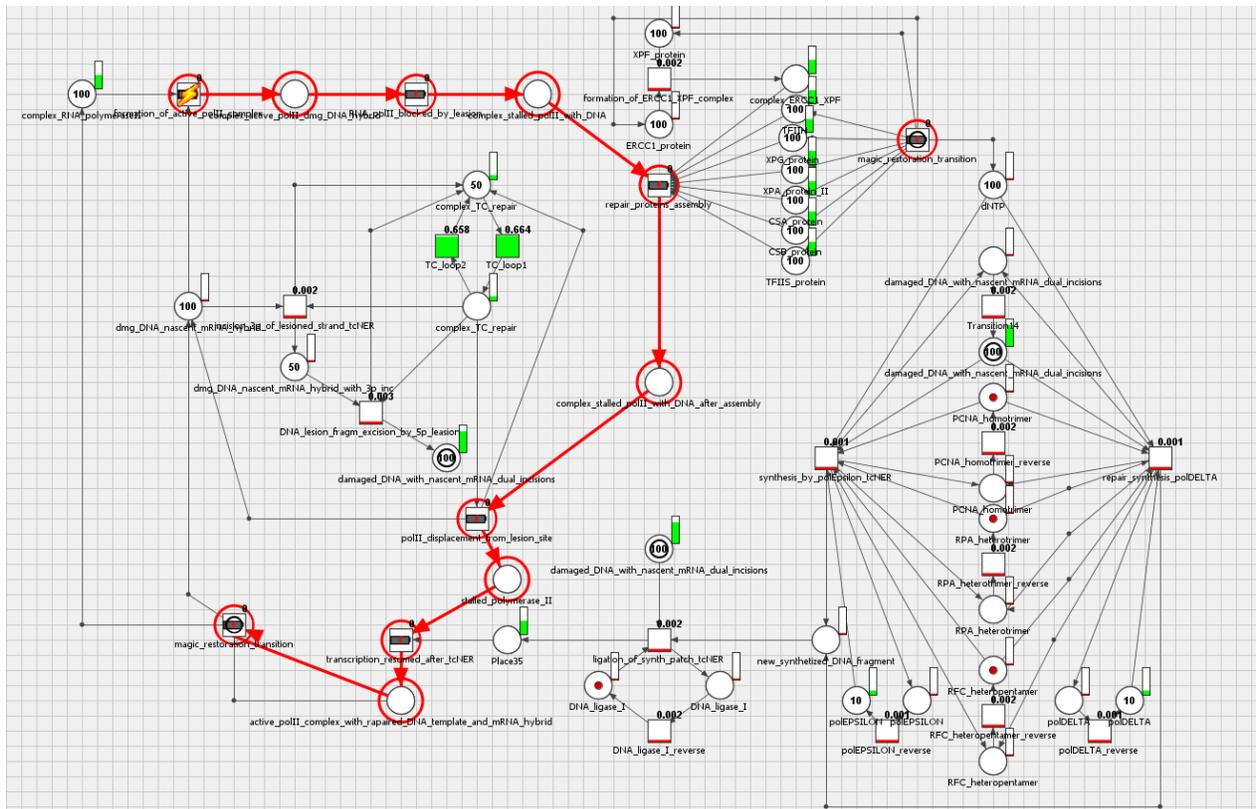
Manual sections/chapters:

- 6 (Simulation algorithm)
- 6.7 (QuickSim mode)

Description of the example:

Transcription Coupled NER (Nucleotide Excision Repair) model

Net net is covered both by p- and t-invariants, however, the example will deal with the knockout analysis. By knocking out some important reaction one can observe its impact on the behavior of the net. For example, in the following picture there is a result of knocking out transition t0 (formation\_of\_active\_poliII\_complex).



Another example show the results when transition t6 (TC\_loop1) is knocked out:

