```
1   --- assign the hazard-mitigating requirements
2       let AD^hazRD = AD^hmr
3       --- assign the mitigated hazard from CM^h from Listing 6
4       let h^hazRD = haz
5       --- assign safety goal and trigger conditions specific to h^hrd^h
6       let tc^h = ∅
7       let sg^h = ∅
8       foreach res ∈ fha(actD^fr) {
9           if res = haz {
10              sg^h = sg^haz|sg^haz ∈_t res
11              tc^h = tc^haz|tc^haz ∈_t res
12          }
13      }
14      --- create mitigation partitions for each partial mitigation
15      let CM^hazRD = ∅
16      foreach pm_i^h ∈ CM^h {
17          let part = pm_i^h\R^actD|R^actD ∈_t pm_i^h ∧ actD ∈_t pm_i^h s
18          CM^hazRD = CM^hazRD ∪ (part)
19      }
20      --- create Hazard Relation
21      let hr^hazRD
```

Listing 7 Pseudo-Code Signature $append^X$ of the QVTo Script q^{hrd}.