```
1   --- remove activity diagram elements from each mitigation template
2   foreach partial mitigation pm_i^h ∈ CM^h {
3       foreach operation op_i ∈_t R |R ∈_t pm_i^h {
4           foreach element to be removed el ∈_t op_i^h {
5               if el ∈_t op_{i_i}^h is of type activity {
6               --- remove activity by computing new set of activities
7                   A^{actD^{hmr}} = A^{ctDa^{hir}} \ el }
8               if el ∈_t op_{i_i}^h is of type pin {
9               --- remove pin by computing new set of pins
10                  P^{actD^{hmr}} = P^{ctDa^{hir}} \ el }
11              if el ∈_t op_{i_i}^h is of type control node {
12              --- remove control node by computing new set of control nodes
13                  C^{actD^{hmr}} = C^{actD^{hir}} \ el }
14              if el ∈_t op_{i_i}^h is of type activity edge {
15              ---remove activity edge by computing new set of activity edges
16                 E^{actD^{hmr}} = E^{actD^{hir}} \ el }
17              --- remove activity edges connected to the removed element
18              E^{actD^{hmr}} = E^{actD^{hir}} \ ex | ∀ex ∈ E^{ad^{hmr}} : src^{ex} ∨ tar^{ex} = el
19          }
20      }
21  }
22  }
23
```

Listing 1 Pseudo-Code remove operation op^{remove} of a QVTo Script q^{hmr} to Generate Hazard-Mitigating Requirements