```
--- remove activity diagram elements from each mitigation template
foreach partial mitigation pm_i^h ∈ CM^h {
    foreach operation op_i ∈_t R |R ∈_t pm_i^h {
        foreach element to be removed el ∈_t op_i^h {
            if el ∈_t op_{i_i}^h is of type activity {
            --- remove activity by computing new set of activities
                A^{actD^{hmr}} = A^{ctDd^{fr}}\el }
            if el ∈_t op_{i_i}^h is of type pin {
            --- remove pin by computing new set of pins
                P^{actD^{hmr}} = P^{ctDd^{fr}}\el }
            if el ∈_t op_{i_i}^h is of type control node {
            --- remove control node by computing new set of control nodes
                C^{actD^{hmr}} = C^{actD^{fr}}\el }
            if el ∈_t op_{i_i}^h is of type activity edge {
            ---remove activity edge by computing new set of activity edges
               E^{actD^{hmr}} = E^{actD^{hir}}\el }
            --- remove activity edges connected to the removed element
            E^{actD^{hmr}} = E^{actD^{fr}}\ex | ∀ex ∈ E^{aa^{hmr}}: src^{ex} ∨ tar^{ex} = el
         }
    }
}
```

Listing 3 Pseudo-Code of remove operation op^{remove} of the QVTo Script q^{hmr}.