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Service: Engine
 Observator: Envi: [Engine] \rightarrow Environment
                 Entities: [Engine] \rightarrow Array[Entity]
                 getEntity: [Engine] \times int \rightarrow Entity
                 init: Environment \rightarrow [Engine]
Constructor:
    Operator:
                 removeEntity: [Engine] \times int \rightarrow [Engine]
                   pre removeEntity(E,i) requires 0 \le i < size(Entities(E))
                 addEntity: [Engine] \times Entity \rightarrow [Engine]
                 step: [Engine] \rightarrow [Engine]
                   pre step() requires
                   forall i in [0;size(Entities(E))-1], Entity::Hp(getEntity(E,i))>0
Observations:
                 forall i in [0;size(Entities(E))-1], Entity::Envi(getEntity(E,i))=Envi(E)
    [invariant]:
                 forall i in [0;size(Entities(E))-1], Entity::Col(getEntity(E,i))=x
                          and Entity::Row(getEntity(E,i))=y
                          implies Environment::CellContent(Envi(E),x,y) = getEntity(E,i)
                 size(Entities(removeEntity(E,i))) = size(Entities(E)) - 1
[removeEntity]:
                 forall k in [0,i-1], getEntity(removeEntity(E,i),k)) = getEntity(E,k)
                 forall k in [i,size(Entities(E))-2],
                   getEntity(removeEntity(E,i),k)) = getEntity(E,k+1)
   [addEntity]:
                 size(Entities(addEntity(E,e))) = size(Entities(E)) + 1
                 for all k in [0,size(Entities(E))-1], getEntity(addEntity(E,e),k)) = getEntity(E,k)
                 getEntity(addEntity(E,e),size(Entities(E))) = e
```