

zombieattack.sol

```
pragma solidity ^0.4.25;
```

```
import "./zombiehelper.sol";
```

```
contract ZombieAttack is ZombieHelper {
```

```
    uint randNonce = 0;
```

```
    uint attackVictoryProbability = 70;
```

```
    function randMod(uint _modulus) internal returns(uint) {
```

```
        randNonce = randNonce.add(1);
```

```
        return uint(keccak256(abi.encodePacked(now, msg.sender, randNonce))) %  
_modulus;  
    }
```

```
    function attack(uint _zombiId, uint _targetId) external  
onlyOwnerOf(_zombiId) {
```

```
        Zombie storage myZombie = zombies[_zombiId];
```

```
        Zombie storage enemyZombie = zombies[_targetId];
```

```
        uint rand = randMod(100);
```

```
        if (rand <= attackVictoryProbability) {
```

```
            myZombie.winCount = myZombie.winCount.add(1);
```

```
            myZombie.level = myZombie.level.add(1);
```

```
            enemyZombie.lossCount = enemyZombie.lossCount.add(1);
```

```
            feedAndMultiply(_zombiId, enemyZombie.dna, "zombie");
```

```
        } else {
```

```
            myZombie.lossCount = myZombie.lossCount.add(1);
```

```
            enemyZombie.winCount = enemyZombie.winCount.add(1);
```

```
            _triggerCooldown(myZombie);
```

```
        }
```

```
    }
```

```
}
```