Genetic manipulation

```
Parent A
 816
        damageInflicted +=
            mWeapons[i][j]->Damage();
        if (damager->GetPlayer()
 1056
            ->GetPlayerHuman() {
        ContactCallback();
 1057
                       Parent B
        for (unsigned int i = 0;
 899
            i < mModules.size(); ++i ) {</pre>
        mModules[i]
 900
            ->NotifyDamagedComponent(damager)
           Crossover operation (Fusion)
 816
        damageInflicted +=
            mWeapons[i][j]->Damage();
        if(damager->GetPlayer()
 1056
            ->GetPlayerHuman() {
 1057
        ContactCallback();
 899
        for (unsigned int i = 0;
            i < mModules.size(); ++i )</pre>
 900
        mModules[i]
            ->NotifyDamagedComponent(damager)
                Mutation operation
                    (Subtractive)
                          CF<sub>1</sub>
 816
        damageInflicted +=
            mWeapons[i][j]->Damage();
        ContactCallback();
 1057
 899
        for (unsigned int i = 0;
            i < mModules.size(); ++i ) {</pre>
                  Fitness assessment
                                Topic Modeling -
                                      output
       P(damag \mid CF_n)
0.38
     0.3
         0.72
                    0.39
                         q_1
                             Term - Topic Topic - Code
    0.87
          0.5
                   0.32
0.12
                         q_2
                              probability
                                            Fragment
         0.14
0.67
     0.7
                   0.21
                         q_3
                             distribution
                                            probability
    0.58
         0.29
                         q_4
0.02
                    0.7
                                           distribution
0.25
    0.62
         0.02
                   0.01
                         q_t
                                        Query –
          CF<sub>3</sub>
                    CF_n
CF_1
     CF<sub>2</sub>
                                       processed
                                     Requirement
0.04
    0.41
          0.2
                   0.01
                                     damag, amount,
    P(Q \mid CF_2) =
                                      inflict, object,
    Sim(Q \mid CF_2) =
                                    caus, notifi, modul
    Fitness(CF<sub>2</sub>)
```