Algorithm:Genetic algorithm

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function GET ACTION(S as state)
    for 1 ≤ i ≤ 108 do                          ▷ There is 108 cards in a UNO deck
        Mask_i ← [Card_i ∈ S.Playable]          ▷ [ ] represents Iverson bracket
    Mask_0 ← 1                                  ▷ Player may always take a card from the deck
    Result ← Network.Run(S)
    Result ← Sigmoid(Result) + 1
    return Argmax(Mask ⊙ Result)                ▷ ⊙ represents Hadamard product
function GENETIC DIFFUSION
    Alpha ← The cell achieved the highest rank
    for Cell in Petri \ Alpha do
        Cell.Weights ← (Cell.Weights + Alpha.Weights) / 2
function MUTATE
    for Cell in Petri do
        Cell.Weights ← Cell.Weights + Gaussian random()
function EVOLUTION
    Petri ← Cells initialized with zero weights
    for Cell in Petri do
        for 1 To N do                           ▷ N is an arbitrary number
            Result ← Cell v.s. Opponent
            if Result is Win then
                Cell.Rank ← Cell.Rank + 1
    Genetic Diffusion()
    Mutate()
```