```
step: 90, cost: 1.13E-02, attack: 0.994, loss: 1.043703, ce: 0.116332, reg: 81.968773, reg_best: 80.656906 step: 91, cost: 1.13E-02, attack: 0.992, loss: 1.096583, ce: 0.149861, reg: 83.675507, reg_best: 80.656906 step: 92, cost: 1.13E-02, attack: 0.993, loss: 1.100199, ce: 0.128566, reg: 85.881065, reg_best: 80.656906 up cost from 1.13E-02 to 2.26E-02 step: 93, cost: 2.26E-02, attack: 0.993, loss: 2.058425, ce: 0.121741, reg: 85.590134, reg_best: 80.656906 step: 94, cost: 2.26E-02, attack: 0.991, loss: 2.005823, ce: 0.151067, reg: 81.969406, reg_best: 80.656906 step: 95, cost: 2.26E-02, attack: 0.990, loss: 2.022429, ce: 0.185617, reg: 81.176361, reg_best: 80.656906 step: 96, cost: 2.26E-02, attack: 0.990, loss: 2.022429, ce: 0.186617, reg: 81.176361, reg_best: 80.656906 step: 97, cost: 2.26E-02, attack: 0.990, loss: 2.017800, ce: 0.179738, reg: 80.256507, reg_best: 80.656906 step: 98, cost: 2.26E-02, attack: 0.990, loss: 2.017342, ce: 0.216784, reg: 79.574173, reg_best: 80.656906 step: 99, cost: 2.26E-02, attack: 0.986, loss: 2.017342, ce: 0.216784, reg: 79.574173, reg_best: 80.656906 step: 99, cost: 2.26E-02, attack: 0.986, loss: 2.091044, ce: 0.217858, reg: 82.783913, reg_best: 80.656906 down cost from 2.26E-02 to 8.00E-03
step: 100, cost: 8.00E-03, attack: 0.993, loss: 0.810802, ce: 0.111971, reg: 87.353851, reg_best: 80.656906 step: 101, cost: 8.00E-03, attack: 0.995, loss: 0.769504, ce: 0.077329, reg: 86.528168, reg_best: 80.656906 step: 102, cost: 8.00E-03, attack: 0.999, loss: 0.722585, ce: 0.016866, reg: 88.214828, reg_best: 80.656906 step: 104, cost: 8.00E-03, attack: 0.999, loss: 0.722585, ce: 0.016866, reg: 88.214828, reg_best: 80.656906 step: 104, cost: 8.00E-03, attack: 0.999, loss: 0.722585, ce: 0.016866, reg: 88.214828, reg_best: 80.656906 step: 104, cost: 1.60E-02, attack: 0.999, loss: 1.434801, ce: 0.103410, reg: 82.517464, reg_best: 80.656906 step: 106, cost: 1.60E-02, attack: 0.991, loss: 1.43489, ce: 0.153210, reg: 82.517464, reg_best: 80.656906 step: 107, cost: 1.60E-02, attack: 0.991, lo
```