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1 C:\Users\slab\anaconda3\envs\pytorch1\python.exe D:\UULi\test_code\k_arm_test\main.py
2 -----掃描檔案: D:\UULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-0000000000
3 ***Pre-Screening開始***
4 可能的攻擊方式: Label Specific Backdoor Attack
5 可能的 target-victim 配對: ['4-5', '5-4']
6 可能的 target Reverse Engineering開始***
7 ***Trigger Reverse Engineering開始***
8 Target: 5; victim: 4; Loss: 0.8017, Acc: 100.00%, CE_Loss: 0.13, Reg_Loss:445.75, Cost:0.00 best_reg:445.86 avg_loss_reg:445.86: 19% █ | 188/1000 [22:05<1:35:24, 7.05s/it]
9 early stop 所有
10 ***Trigger Reverse Engineering結束***
11 Target Class: 5 Victim Class: 4 Trigger Size: 445.74755859375 Optimization Steps: 178
12 ***Symmetric Check開始***
13 Target: 4; victim: 5; Loss: 1.5289, Acc: 100.00%, CE_Loss: 0.16, Reg_Loss:180.66, Cost:0.01 best_reg:183.59 avg_loss_reg:178.10: 12% █ | 123/1000 [14:27<1:43:02, 7.05s/it]
14 early stop 所有
15 ***Symmetric Check結束***
16 ***Pre-Screening結束***檢測結果: Model是安全的(Benign)
17 整體耗時: 2206.758975589447
18 -----掃描檔案: D:\UULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-0000000001
19 -----掃描檔案: D:\UULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-0000000000
20 ***Pre-Screening開始***
21 ***Pre-Screening結束***
22 可能的攻擊方式: Label Specific Backdoor Attack
23 可能的 target-victim 配對: ['2-0', '2-3', '4-5', '5-4', '6-7', '7-6', '10-9']
24 ***Trigger Reverse Engineering開始***
25 Target: 10; victim: 9; Loss: 4.2027, Acc: 100.00%, CE_Loss: 0.20, Reg_Loss:156.37, Cost:0.03 best_reg:157.95 avg_loss_reg:157.95: 28% █ | 276/1000 [04:24<11:32, 1.04it/s]
26 early stop 所有
27 ***Trigger Reverse Engineering結束***
28 Target Class: 10 Victim Class: 9 Trigger Size: 156.37094116210938 Optimization Steps: 105
29 ***Symmetric Check開始***
30 Target: 9; victim: 10; Loss: 2.4281, Acc: 100.00%, CE_Loss: 0.15, Reg_Loss:133.06, Cost:0.02 best_reg:133.72 avg_loss_reg:133.72: 12% █ | 117/1000 [01:53<14:16, 1.03it/s]
31 early stop 所有
32 ***Symmetric Check結束***
33 ***Pre-Screening結束***檢測結果: Model是安全的(Benign)
34 整體耗時: 380.6026964187622
35 -----掃描檔案: D:\UULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-0000000002
36 -----掃描檔案: D:\UULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-0000000003
37 ***Pre-Screening開始***
38 ***Pre-Screening結束***
39 可能的攻擊方式: Label Specific Backdoor Attack
40 可能的 target-victim 配對: ['0-3', '1-2', '1-12', '1-18', '2-3', '2-12', '2-5', '3-0', '3-2', '5-4', '5-6', '5-13', '6-5', '6-7', '6-22', '7-8', '7-17', '7-6', '18-5', '19-21', '20-21', '20-22', '22-6', '22-12', '22-13']
41 ***Trigger Reverse Engineering開始***
42 Target: 17; victim: 18; Loss: 2.0983, Acc: 100.00%, CE_Loss: 0.23, Reg_Loss:163.98, Cost:0.01 best_reg:171.90 avg_loss_reg:160.40: 76% █ | 763/1000 [21:23<06:38, 1.68s/it]
43 early stop 所有
44 ***Trigger Reverse Engineering結束***
45 Target Class: 17 Victim Class: 18 Trigger Size: 163.982666015625 Optimization Steps: 121
46 ***Symmetric Check開始***
47 Target: 18; victim: 17; Loss: 0.5023, Acc: 100.00%, CE_Loss: 0.05, Reg_Loss:88.49, Cost:0.01 best_reg:91.24 avg_loss_reg:91.24: 14% █ | 137/1000 [03:52<24:24, 1.70s/it]
48 early stop 所有
49 ***Symmetric Check結束***
50 ***Pre-Screening結束***檢測結果: Model是安全的(Benign)
51 整體耗時: 1541.6665885448456
52 -----掃描檔案: D:\UULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-0000000003
53 -----掃描檔案: D:\UULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-0000000004
54 ***Pre-Screening開始***
55 ***Pre-Screening結束***
56 可能的攻擊方式: Universal Backdoor Attack
57 可能的 target class: 3
58 可能的 victim classes: ALL
59 ***Trigger Reverse Engineering開始***
60 Target: 3; victim: 3; Loss: 1.1286, Acc: 100.00%, CE_Loss: 0.03, Reg_Loss:1642.31, Cost:0.00 best_reg:1639.13 avg_loss_reg:1639.67: 18% █ | 180/1000 [13:02<59:26, 4.35s/it]
61 early stop 所有
62 ***Trigger Reverse Engineering結束***
63 Target Class: 3 Victim Class: all Trigger Size: 1639.1270141601562 Optimization Steps: 181
64 ***Pre-Screening結束***檢測結果: Model含有後門(Abnormal)
65 整體耗時: 787.0627062320709
66 -----掃描檔案: D:\UULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-0000000004
67 -----掃描檔案: D:\UULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-0000000005
68 ***Pre-Screening開始***
69 ***Pre-Screening結束***
70 可能的攻擊方式: Label Specific Backdoor Attack

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71 可能的 target-victim 配對: ['1-0', '3-2', '3-5', '5-4']
72 ***Trigger Reverse Engineering 開始***
73 Target: 3, victim: 2, Loss: 0.9986, Acc: 100.00%, CE_Loss: 0.06, Reg_Loss: 82.07, Cost: 0.01 best_reg: 82.80 avg_loss_reg: 82.06: 17% [] | 166/1000 [23:34 < 1:58:24, 8.52s/it]
74 early stop 所有
75 ***Trigger Reverse Engineering 結束***
76 Target Class: 3 Victim Class: 2 Trigger Size: 82.06880187988281 Optimization Steps: 123
77 ***Symmetric Check開始***
78 Target: 2, victim: 3, Loss: 2.3686, Acc: 100.00%, CE_Loss: 0.30, Reg_Loss: 614.01, Cost: 0.00 best_reg: 615.61 avg_loss_reg: 615.61: 14% [] | 143/1000 [20:12 < 2:01:06, 8.48s/it]
79 early stop 所有
80 ***Symmetric Check結束***
81 *****檢測結束*****
82 檢測結果: Model是安全的(Benign)
83 藍體耗時: 2646.3178012371063
84 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-00000005-----
85 ***Pre-Screening 開始***
86 ***Pre-Screening 結束***
87 可能的攻擊方式: Universal Backdoor Attack
88 可能的 target class: 2
89 可能的 victim classes: ALL
90 ***Trigger Reverse Engineering 開始***
91 Target: 2, victim: 3, Loss: 1.5221, Acc: 100.00%, CE_Loss: 0.08, Reg_Loss: 2160.10, Cost: 0.00 best_reg: 2185.93 avg_loss_reg: 2187.63: 15% [] | 151/1000 [49:20 < 4:37:25, 19.61s/it]
92 early stop 所有
93 ***Trigger Reverse Engineering 結束***
94 Target Class: 2 Victim Class: all Trigger Size: 2171.3447265625 Optimization Steps: 152
95 *****檢測結束*****
96 檢測結果: Model是安全的(Benign)
97 整體耗時: 2976.9782922267914
98 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-00000006-----
99 ***Pre-Screening 開始***
100 ***Pre-Screening 結束***
101 *****檢測結束***
102 檢測結果: Model是安全的(Benign)
103 整體耗時: 35.44259023666382
104 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-00000007-----
105 ***Pre-Screening 開始***
106 ***Pre-Screening 結束***
107 可能的攻擊方式: Label Specific Backdoor Attack
108 可能的 target-victim 配對: ['0-1', '2-3', '4-7', '7-4']
109 ***Trigger Reverse Engineering 開始***
110 Target: 4, victim: 7, Loss: 4.8374, Acc: 100.00%, CE_Loss: 0.19, Reg_Loss: 181.51, Cost: 0.03 best_reg: 187.31 avg_loss_reg: 181.86: 19% [] | 193/1000 [27:16 < 1:54:04, 8.48s/it]
111 early stop 所有
112 ***Trigger Reverse Engineering 結束***
113 Target Class: 4 Victim Class: 7 Trigger Size: 181.51226806640625 Optimization Steps: 109
114 ***Symmetric Check開始***
115 Target: 7, victim: 4, Loss: 2.9457, Acc: 100.00%, CE_Loss: 0.28, Reg_Loss: 790.25, Cost: 0.00 best_reg: 793.96 avg_loss_reg: 793.96: 17% [] | 169/1000 [24:05 < 1:58:27, 8.55s/it]
116 early stop 所有
117 ***Symmetric Check結束***
118 *****檢測結束*****
119 檢測結果: Model是安全的(Benign)
120 整體耗時: 3105.9713554382324
121 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-00000008-----
122 ***Pre-Screening 開始***
123 ***Pre-Screening 結束***
124 可能的攻擊方式: Label Specific Backdoor Attack
125 可能的 target-victim 配對: ['2-4', '2-8', '6-7', '7-6', '9-11', '11-9']
126 ***Trigger Reverse Engineering 開始***
127 Target: 6, victim: 7, Loss: 2.3607, Acc: 100.00%, CE_Loss: 0.10, Reg_Loss: 58.69, Cost: 0.04 best_reg: 59.28 avg_loss_reg: 59.36: 24% [] | 237/1000 [02:44 < 08:50, 1.44it/s]
128 early stop 所有
129 ***Trigger Reverse Engineering 結束***
130 Target Class: 6 Victim Class: 7 Trigger Size: 58.694923400878906 Optimization Steps: 113
131 ***Symmetric Check開始***
132 Target: 7, victim: 6, Loss: 5.0262, Acc: 100.00%, CE_Loss: 0.16, Reg_Loss: 84.32, Cost: 0.06 best_reg: 85.24 avg_loss_reg: 85.24: 9% [] | 90/1000 [01:02 < 10:33, 1.44it/s]
133 early stop 所有
134 ***Symmetric Check結束***
135 *****檢測結束*****
136 檢測結果: Model是安全的(Benign)
137 整體耗時: 236.46670508384705
138 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-00000009-----
139 ***Pre-Screening 開始***
140 ***Pre-Screening 結束***
141 可能的攻擊方式: Label Specific Backdoor Attack

File - main

可能的 target-victim 配對: ['0-14', '0-18', '0-19', '1-3', '2-5', '2-12', '3-1', '5-6', '6-11', '7-10', '7-6', '8-7', '8-10', '8-9', '9-8', '9-10', '10-7', '11-7', '11-16', '12-5', '14-0', '14-13', '15-16', '16-15', '17-6', '18-13', '18-6', '19-0', '19-17', '19-18']

Trigger Reverse Engineering 開始

143 Target: 8, victim: 9, Loss: 4.4748, Acc: 100.00%, CE_Loss: 0.04, Reg_Loss:2955.32, Cost:0.00 best_reg:3059.07 avg_loss_reg:3059.07 100% | 1000/1000 [1:12:28<00:00, 4.35s/it]

144 Target Class: 8 Victim Class: 9 Trigger Size: 2955.322021484375 Optimization Steps: 47

145 ***Trigger Reverse Engineering 結束***

146 Target Class: 8 Victim Class: 9 Trigger Size: 2955.322021484375 Optimization Steps: 47

147 *****檢測結果*****

148 檢測結果: Model是安全的(Benign)

149 整體耗時: 4384.070883989334

150 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000010-----

151 ***Pre-Screening 開始***

152 ***Pre-Screening 結束***

153 可能的攻擊方式: Label Specific Backdoor Attack

154 可能的 target-victim 配對: ['0-6', '0-7', '3-2', '5-4', '7-0', '8-9', '13-11', '13-12']

155 ***Trigger Reverse Engineering 開始***

156 Target: 0, victim: 6, Loss: 3.4556, Acc: 100.00%, CE_Loss: 0.16, Reg_Loss:128.51, Cost:0.03 best_reg:129.37 avg_loss_reg:129.37: 29% | 291/1000 [10:16<25:00, 2.12s/it]

157 early stop 所有

158 ***Trigger Reverse Engineering 結束***

159 Target Class: 0 Victim Class: 6 Trigger Size: 128.50863647460938 Optimization Steps: 102

160 ***Symmetric Check 開始***

161 Target: 6, victim: 0, Loss: 9.5224, Acc: 100.00%, CE_Loss: 0.21, Reg_Loss:363.40, Cost:0.03 best_reg:363.86 avg_loss_reg:363.86: 12% | 121/1000 [04:21<31:36, 2.16s/it]

162 early stop 所有

163 ***Symmetric Check 結束***

164 *****檢測結果*****

165 檢測結果: Model是安全的(Benign)

166 整體耗時: 885.0161490440369

167 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000011-----

168 ***Pre-Screening 開始***

169 ***Pre-Screening 結束***

170 可能的攻擊方式: Label Specific Backdoor Attack

171 可能的 target-victim 配對: ['1-2', '3-5', '5-4', '6-7', '7-6', '8-0']

172 ***Trigger Reverse Engineering 開始***

173 Target: 3, victim: 5, Loss: 0.9217, Acc: 100.00%, CE_Loss: 0.12, Reg_Loss:236.15, Cost:0.00 best_reg:236.49 avg_loss_reg:236.49: 35% | 354/1000 [07:29<13:39, 1.27s/it]

174 early stop 所有

175 ***Trigger Reverse Engineering 結束***

176 Target Class: 3 Victim Class: 5 Trigger Size: 236.14910888671875 Optimization Steps: 223

177 ***Symmetric Check 開始***

178 Target: 5, victim: 3, Loss: 2.2617, Acc: 100.00%, CE_Loss: 0.25, Reg_Loss:397.65, Cost:0.01 best_reg:404.21 avg_loss_reg:404.21: 17% | 167/1000 [03:31<17:37, 1.27s/it]

179 early stop 所有

180 ***Symmetric Check 結束***

181 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000012-----

182 檢測結果: Model是安全的(Benign)

183 整體耗時: 672.9206728935242

184 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000013-----

185 ***Pre-Screening 開始***

186 ***Pre-Screening 結束***

187 可能的攻擊方式: Label Specific Backdoor Attack

188 可能的 target-victim 配對: ['9-15', '13-16', '15-16', '16-15', '17-15']

189 ***Trigger Reverse Engineering 開始***

190 Target: 17, victim: 15, Loss: 1.5247, Acc: 100.00%, CE_Loss: 0.13, Reg_Loss:621.53, Cost:0.00 best_reg:622.12 avg_loss_reg:622.12: 27% | 270/1000 [17:20<46:54, 3.86s/it]

191 early stop 所有

192 ***Trigger Reverse Engineering 結束***

193 Target Class: 17 Victim Class: 15 Trigger Size: 621.5277709960938 Optimization Steps: 156

194 ***Symmetric Check 開始***

195 Target: 15, victim: 17, Loss: 2.5256, Acc: 100.00%, CE_Loss: 0.21, Reg_Loss:1027.91, Cost:0.00 best_reg:1028.75 avg_loss_reg:1028.75: 16% | 164/1000 [10:33<53:47, 3.86s/it]

196 early stop 所有

197 ***Symmetric Check 結束***

198 *****檢測結果*****

199 檢測結果: Model是安全的(Benign)

200 整體耗時: 1709.4599504470825

201 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000013-----

202 ***Pre-Screening 開始***

203 ***Pre-Screening 結束***

204 可能的攻擊方式: Label Specific Backdoor Attack

205 可能的 target-victim 配對: ['1-2', '1-8', '2-1', '2-6', '3-4', '4-3', '7-5']

206 ***Trigger Reverse Engineering 開始***

207 Target: 1, victim: 2, Loss: 3.7156, Acc: 100.00%, CE_Loss: 0.25, Reg_Loss:303.90, Cost:0.01 best_reg:306.39 avg_loss_reg:306.39: 30% | 296/1000 [03:28<08:14, 1.42it/s]

208 early stop 所有

209 ***Trigger Reverse Engineering 結束***

210 Target Class: 1 Victim Class: 2 Trigger Size: 303.900146484375 Optimization Steps: 129

211 ***Symmetric Check 開始***

212 Target: 2, victim: 1, Loss: 1.5738, Acc: 100.00%, CE_Loss: 0.21, Reg_Loss:270.12, Cost:0.01 best_reg:270.97 avg_loss_reg:268.10: 16% | 162/1000 [01:54<09:53, 1.41it/s]

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213 early stop 所有
214 ***Symmetric Check結束***
215 *****檢測結束*****
216 檢測結果: Model是安全的(Benign)
217 整體耗時: 329,1899015903473
218 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000014-----
219 ***Pre-Screening開始***
220 ***Pre-Screening結束***
221 ***檢測結束***
222 檢測結果: Model是安全的(Benign)
223 整體耗時: 15,540128946304321
224 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000015-----
225 ***Pre-Screening開始***
226 ***Pre-Screening結束***
227 可能的攻擊方式: Label Specific Backdoor Attack
228 可能的 target-victim 配對: ['1-2', '4-5', '5-0']
229 ***Trigger Reverse Engineering開始***
230 Target: 4, victim: 5, Loss: 1.4948, Acc: 100.00%, CE_Loss: 0.13, Reg_Loss: 0.06, Cost:0.00 best_reg:405.06 avg_loss_reg:405.06: 18% █ | 178/1000 [14:46<1:08:14, 4.98s/it]
231 early stop 所有
232 ***Trigger Reverse Engineering結束***
233 Target Class: 4 Victim Class: 5 Trigger Size: 404.05645751953125 Optimization Steps: 130
234 ***Symmetric Check開始***
235 Target: 5, victim: 4, Loss: 2.4363, Acc: 100.00%, CE_Loss: 0.29, Reg_Loss: 0.05 avg_loss_reg:636.05 avg_loss_reg:622.69: 17% █ | 170/1000 [13:37<1:06:29, 4.81s/it]
236 early stop 所有
237 ***Symmetric Check結束***
238 ***Pre-Screening結束*****
239 檢測結果: Model是安全的(Benign)
240 整體耗時: 1714.3751690387726
241 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000016-----
242 ***Pre-Screening開始***
243 ***Pre-Screening結束***
244 可能的攻擊方式: Universal Backdoor Attack
245 可能的 target class: 14
246 可能的 victim classes: ALL
247 ***Trigger Reverse Engineering開始***
248 Target: 14, victim: 7, Loss: 1.2479, Acc: 100.00%, CE_Loss: 0.00, Reg_Loss: 164.27, Cost:0.01 best_reg:164.42 avg_loss_reg:164.56: 11% █ | 111/1000 [59:28<7:56:17, 32.15s/it]
249 early stop 所有
250 ***Trigger Reverse Engineering結束***
251 Target Class: 14 Victim Class: all Trigger Size: 164.40972290039062 Optimization Steps: 112
252 ***Pre-Screening結束*****
253 檢測結果: Model含有後門(Abnormal)
254 整體耗時: 3609.155553340912
255 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000017-----
256 ***Pre-Screening開始***
257 ***Pre-Screening結束***
258 可能的攻擊方式: Label Specific Backdoor Attack
259 可能的 target-victim 配對: ['1-0', '6-1', '6-5', '7-6', '7-9', '9-7', '9-10', '10-8', '11-9', '11-12', '13-1', '13-11', '13-2', '13-12', '14-7', '14-8', '14-13']
260 ***Trigger Reverse Engineering開始***
261 Target: 6, victim: 5, Loss: 2.5258, Acc: 100.00%, CE_Loss: 0.16, Reg_Loss: 92.22, Cost:0.03 best_reg:93.00 avg_loss_reg:93.00: 42% █ | 421/1000 [05:48<07:59, 1.21it/s]
262 0% | 0/1000 [00:00:<?, ?it/s]early stop 所有
263 ***Trigger Reverse Engineering結束***
264 Target Class: 6 Victim Class: 5 Trigger Size: 92.21627807617188 Optimization Steps: 106
265 ***Symmetric Check開始***
266 Target: 5, victim: 6, Loss: 8.8597, Acc: 100.00%, CE_Loss: 0.48, Reg_Loss: 327.00, Cost:0.03 best_reg:333.37 avg_loss_reg:333.37: 12% █ | 122/1000 [01:41<12:11, 1.20it/s]
267 early stop 所有
268 ***Symmetric Check結束***
269 ***Pre-Screening結束*****
270 檢測結果: Model是安全的(Benign)
271 整體耗時: 461.44662976264954
272 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000018-----
273 ***Pre-Screening開始***
274 ***Pre-Screening結束***
275 可能的攻擊方式: Universal Backdoor Attack
276 可能的 target class: 3
277 可能的 victim classes: ALL
278 ***Trigger Reverse Engineering開始***
279 Target: 3, victim: 9, Loss: 0.5642, Acc: 100.00%, CE_Loss: 0.01, Reg_Loss: 9.55, Cost:0.06 best_reg:9.59 avg_loss_reg:9.59: 7% █ | 68/1000 [11:48<2:41:48, 10.42s/it]
280 early stop 所有
281 ***Trigger Reverse Engineering結束***
282 Target Class: 3 Victim Class: all Trigger Size: 9.54970383644104 Optimization Steps: 69
283 ***Pre-Screening結束*****
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284 檢測結果: Model含有後門(Abnormal)
285 整體耗時: 712.6543197631836
286 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000019-----
287 ***Pre-Screening開始****
288 ***Pre-Screening結束****
289 可能的攻擊方式: Label Specific Backdoor Attack
290 可能的 target-victim 配對: ['2-3', '2-5', '4-5', '5-4', '6-12', '6-0', '6-7', '8-0', '8-6', '8-9', '9-7', '9-8', '10-11', '12-15', '13-15', '14-0', '15-12']
291 ***Trigger Reverse Engineering開始****
292 Target: 4, victim: 5, Loss: 2.8741, Acc: 100.00%, CE_Loss: 0.13, Reg_Loss: 360.87, Cost:0.01 best_reg:361.96 avg_loss_reg:361.96: 51%|████| 511/1000 [56:36<54:09, 6.65s/it]
293 early stop 所有
294 ***Trigger Reverse Engineering結束****
295 Target Class: 4 Victim Class: 5 Trigger Size: 360.86773681640625 Optimization Steps: 132
296 ***Symmetric Check開始****
297 Target: 5, victim: 4, Loss: 2.6118, Acc: 100.00%, CE_Loss: 0.17, Reg_Loss: 321.43, Cost:0.01 best_reg:332.88 avg_loss_reg:319.30: 14%|████| 138/1000 [15:38<1:37:40, 6.80s/it]
298 early stop 所有
299 ***Symmetric Check結束****
300 *****檢測結束*****
301 檢測結果: Model是安全的(Benign)
302 整體耗時: 4388.685740470886
303 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-00000020-----
304 ***Pre-Screening開始****
305 ***Pre-Screening結束****
306 可能的攻擊方式: Label Specific Backdoor Attack
307 可能的 target-victim 配對: ['1-5', '2-4', '8-7']
308 ***Trigger Reverse Engineering開始****
309 Target: 8, victim: 7, Loss: 2.7646, Acc: 100.00%, CE_Loss: 0.15, Reg_Loss: 152.74, Cost:0.02 best_reg:153.80 avg_loss_reg:153.80: 13%|████| 128/1000 [01:20<09:10, 1.58it/s]
310 early stop 所有
311 ***Trigger Reverse Engineering結束****
312 Target Class: 7 Victim Class: 8 Trigger Size: 152.744384765625 Optimization Steps: 107
313 ***Symmetric Check開始****
314 Target: 7, victim: 8, Loss: 4.6042, Acc: 100.00%, CE_Loss: 0.25, Reg_Loss: 75.53, Cost:0.06 best_reg:76.38 avg_loss_reg:76.38: 8%|████| 84/1000 [00:53<09:46, 1.56it/s]
315 early stop 所有
316 ***Symmetric Check結束****
317 *****檢測結束*****
318 檢測結果: Model是安全的(Benign)
319 整體耗時: 140.6887526512146
320 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-00000021-----
321 ***Pre-Screening開始****
322 ***Pre-Screening結束****
323 可能的攻擊方式: Universal Backdoor Attack
324 可能的 target class: 21
325 可能的 victim classes: ALL
326 ***Trigger Reverse Engineering開始****
327 Target: 21, victim: 8, Loss: 0.7576, Acc: 100.00%, CE_Loss: 0.00, Reg_Loss: 99.77, Cost:0.01 best_reg:96.67 avg_loss_reg:98.18: 6%|████| 57/1000 [1:31:48<25:18:49, 96.64s/it]
328 early stop 所有
329 ***Trigger Reverse Engineering結束****
330 Target Class: 21 Victim Class: all Trigger Size: 96.67431967599052 Optimization Steps: 58
331 *****檢測結束*****
332 檢測結果: Model含有後門(Abnormal)
333 整體耗時: 5553.073119401932
334 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-00000022-----
335 ***Pre-Screening開始****
336 ***Pre-Screening結束****
337 可能的攻擊方式: Label Specific Backdoor Attack
338 可能的 target-victim 配對: ['0-18', '0-20', '2-3', '3-2', '4-5', '7-9', '8-2', '10-13', '11-14', '12-18', '12-13', '12-14', '15-12', '16-12', '16-14', '16-15', '18-10', '18-20', '19-21', '20-18', '20-19']
339 ***Trigger Reverse Engineering開始****
340 Target: 12, victim: 13, Loss: 1.0213, Acc: 100.00%, CE_Loss: 0.07, Reg_Loss: 83.74, Cost:0.01 best_reg:84.20 avg_loss_reg:84.20: 43%|████| 430/1000 [39:12<51:58, 5.47s/it]
341 early stop 所有
342 ***Trigger Reverse Engineering結束****
343 Target Class: 12 Victim Class: 13 Trigger Size: 83.74300384521484 Optimization Steps: 100
344 ***Symmetric Check開始****
345 Target: 13, victim: 12, Loss: 1.7185, Acc: 100.00%, CE_Loss: 0.26, Reg_Loss: 433.18, Cost:0.00 best_reg:436.32 avg_loss_reg:432.82: 25%|████| 253/1000 [24:24<1:12:03, 5.79s/it]
346 early stop 所有
347 ***Symmetric Check結束****
348 *****檢測結束*****
349 檢測結果: Model是安全的(Benign)
350 整體耗時: 3870.3424159198
351 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-00000023-----
352 ***Pre-Screening開始****
353 ***Pre-Screening結束****
354 可能的攻擊方式: Universal Backdoor Attack
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355 可能的 target class: 3
356 可能的 victim classes: ALL
357 ***Trigger Reverse Engineering 開始***
358 Target: 3, victim: 9, Loss: 0.3387, Acc: 100.00%, CE_Loss: 0.00, Reg_Loss:98.91, Cost:0.00 best_reg:98.67 avg_loss_reg:97.13: 15% █ | 151/1000 [2:59:35 < 16:49:46, 71.36s/it]
359 early stop 所有
360 ***Trigger Reverse Engineering 結束***
361 Target Class: 3 Victim Class: all Trigger Size: 98.665110967913 Optimization Steps: 152
362 *****檢測結束*****
363 檢測結果: Model含有後門(Abnormal)
364 整體耗時: 1080.030222892761
365 -----掃描檔案: D:\UUUI\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000024-----
366 ***Pre-Screening 開始 ***
367 ***Pre-Screening 結束 ***
368 可能的攻擊方式: Label Specific Backdoor Attack
369 可能的 target-victim 配對: ['2-0', '2-3', '3-4', '4-3', '5-6', '5-12', '6-5', '6-12', '7-8', '8-7', '9-8', '10-9', '10-11', '11-9', '12-5']
370 ***Trigger Reverse Engineering 開始 ***
371 Target: 3, victim: 4, Loss: 3.1182, Acc: 100.00%, CE_Loss:34.47, Cost:0.09 best_reg:38.08 avg_loss_reg:35.27: 53% █ | 529/1000 [12:07 < 10:47, 1.37s/it]
372 early stop 所有
373 ***Trigger Reverse Engineering 結束 ***
374 Target Class: 3 Victim Class: 4 Trigger Size: 34.471038818359375 Optimization Steps: 89
375 *****檢測結束*****
376 Target: 4, victim: 3, Loss: 3.0133, Acc: 100.00%, CE_Loss: 0.24, Reg_Loss:108.30, Cost:0.03 best_reg:108.61 avg_loss_reg:108.61: 10% █ | 101/1000 [02:21 < 20:58, 1.40s/it]
377 early stop 所有
378 ***Symmetric Check 結束 ****
379 *****檢測結束*****
380 檢測結果: Model是安全的(Benign)
381 整體耗時: 878.0260934829712
382 -----掃描檔案: D:\UUUI\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000025-----
383 ***Pre-Screening 開始 ***
384 ***Pre-Screening 結束 ***
385 可能的攻擊方式: Label Specific Backdoor Attack
386 可能的 target-victim 配對: ['5-8', '7-6']
387 ***Trigger Reverse Engineering 開始 ***
388 Target: 5, victim: 8, Loss: 2.4262, Acc: 100.00%, CE_Loss: 0.12, Reg_Loss:454.99, Cost:0.01 best_reg:455.17 avg_loss_reg:450.10: 38% █ | 376/1000 [11:16 < 18:42, 1.80s/it]
389 early stop 所有
390 ***Trigger Reverse Engineering 結束 ***
391 Target Class: 8 Victim Class: 8 Trigger Size: 454.989501953125 Optimization Steps: 356
392 ***Symmetric Check 結束 ****
393 Target: 8, victim: 5, Loss: 4.0464, Acc: 100.00%, CE_Loss: 0.23, Reg_Loss:502.20, Cost:0.01 best_reg:502.66 avg_loss_reg:513.26: 23% █ | 232/1000 [06:58 < 23:06, 1.81s/it]
394 early stop 所有
395 ***Symmetric Check 結束 ****
396 *****檢測結束 ****
397 檢測結果: Model是安全的(Benign)
398 整體耗時: 1111.783369064331
399 -----掃描檔案: D:\UUUI\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000026-----
400 ***Pre-Screening 開始 ***
401 ***Pre-Screening 結束 ***
402 可能的攻擊方式: Label Specific Backdoor Attack
403 可能的 target-victim 配對: ['0-1', '0-16', '1-0', '1-3', '1-13', '3-15', '5-16', '6-5', '6-8', '7-11', '8-7', '8-10', '8-4', '9-7', '9-10', '10-11', '11-7', '11-10', '13-17', '15-13', '15-17', '16-17', '17-6', '17-15', '17-16', '19-1', '19-12']
404 ***Trigger Reverse Engineering 開始 ***
405 Target: 13, victim: 15, Loss: 1.6805, Acc: 100.00%, CE_Loss: 0.27, Reg_Loss:82.63, Cost:0.02 best_reg:83.73 avg_loss_reg:84.79: 68% █ | 679/1000 [56:46 < 26:50, 5.02s/it]
406 early stop 所有
407 ***Trigger Reverse Engineering 結束 ***
408 Target Class: 13 Victim Class: 15 Trigger Size: 82.63023376464844 Optimization Steps: 164
409 ***Symmetric Check 結束 ****
410 Target: 15, victim: 13, Loss: 3.3591, Acc: 100.00%, CE_Loss: 0.18, Reg_Loss:628.84, Cost:0.01 best_reg:635.71 avg_loss_reg:626.91: 17% █ | 172/1000 [14:54 < 1:11:46, 5.20s/it]
411 early stop 所有
412 ***Symmetric Check 結束 ****
413 *****檢測結束 ****
414 檢測結果: Model是安全的(Benign)
415 整體耗時: 4340.526033639908
416 -----掃描檔案: D:\UUUI\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000027-----
417 ***Pre-Screening 開始 ***
418 ***Pre-Screening 結束 ***
419 可能的攻擊方式: Universal Backdoor Attack
420 可能的 target class: 2
421 可能的 victim classes: ALL
422 ***Trigger Reverse Engineering 開始 ***
423 Target: 2, victim: 4, Loss: 1.1395, Acc: 100.00%, CE_Loss: 0.01, Reg_Loss:502.86, Cost:0.00 best_reg:497.73 avg_loss_reg:493.20: 25% █ | 253/1000 [42:22 < 2:05:05, 10.05s/it]
424 early stop 所有
425 ***Trigger Reverse Engineering 結束 ***

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426 Target Class: 2 Victim Class: all Trigger Size: 497.1363754272461 Optimization Steps: 254
427 *****檢測結束*****
428 檢測結果: Model含有後門(Abnormal)
429 整體耗時: 2545.1161704063416 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000028-----
430 -----Pre-Screening開始****
431 ****Pre-Screening結束****
432 可能的攻擊方式: Label Specific Backdoor Attack
433 可能的 target-victim 配對: ['0-3', '3-4', '4-5', '5-1']
434 ***Trigger Reverse Engineering開始****
435 Target: 0, victim: 3, loss: 1.1060, Acc: 100.00%, CE_Loss: 0.10, Reg_Loss: 132.07, Cost:0.01 best_reg:133.14 avg_loss_reg:133.14: 19% █ | 194/1000 [21:13<1:28:09, 6.56s/it]
436 Target Class: 0 Victim Class: 3 Trigger Size: 132.07135009765625 Optimization Steps: 162
437 early stop 所有
438 ***Trigger Reverse Engineering結束****
439 Target Class: 0 Victim Class: 3 Trigger Size: 132.07135009765625 Optimization Steps: 162
440 ***Symmetric Check開始****
441 Target: 3, victim: 0, Loss: 1.1587, Acc: 100.00%, CE_Loss: 0.28, Reg_Loss: 582.82, Cost:0.00 best_reg:587.76 avg_loss_reg:587.76: 20% █ | 203/1000 [22:22<1:27:49, 6.61s/it]
442 early stop 所有
443 ***Symmetric Check結束****
444 檢測結果: Model是安全的(Benign)
445 檢測結果: Model是安全的(Benign)
446 整體耗時: 2631.470107553894 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000029-----
447 -----Pre-Screening開始****
448 ****Pre-Screening結束****
449 可能的攻擊方式: Label Specific Backdoor Attack
450 可能的 target-victim 配對: ['0-1', '0-2', '0-20', '1-0', '1-2', '1-5', '2-0', '2-1', '3-4', '3-6', '4-3', '4-6', '5-4', '6-3', '6-4', '7-8', '7-9', '7-10', '8-3', '8-15', '9-8', '9-16', '9-14', '10-4', '10-7', '10-9', '11-12', '11-13', '11-8', '12-11', '13-10', '13-11', '13-20', '14-15', '15-16', '15-19', '16-19', '17-7', '18-19', '19-17', '20-13']
451 Target: 19, victim: 15, Loss: 5.8601, Acc: 0.00%, CE_Loss: 5.86, Reg_Loss: 2500.92, Cost:0.00 best_reg:1000000000.00 avg_loss_reg:2499.74: 100% █ | 1000/1000 [23:02<00:00, 1.38s/it]
452 ***Trigger Reverse Engineering開始****
453 Target Class: 11 Victim Class: 12 Trigger Size: 2538.95263671875 Optimization Steps: 18
454 ***Trigger Reverse Engineering結束****
455 Target Class: 11 Victim Class: 12 Trigger Size: 2538.95263671875 Optimization Steps: 18
456 *****檢測結束*****
457 檢測結果: Model是安全的(Benign)
458 整體耗時: 1398.122219324112 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000030-----
459 -----Pre-Screening開始****
460 ****Pre-Screening結束****
461 可能的攻擊方式: Label Specific Backdoor Attack
462 可能的 target-victim 配對: ['7-1', '7-6']
463 ***Trigger Reverse Engineering開始****
464 Target: 7, victim: 6, Loss: 0.7606, Acc: 100.00%, CE_Loss: 0.24, Reg_Loss: 45.50 avg_loss_reg:45.68: 17% █ | 171/1000 [05:51<28:22, 2.05s/it]
465 Target Class: 7 Victim Class: 6 Trigger Size: 45.397796630859375 Optimization Steps: 161
466 early stop 所有
467 ***Trigger Reverse Engineering結束****
468 Target Class: 7 Victim Class: 6 Trigger Size: 45.397796630859375 Optimization Steps: 161
469 ***Symmetric Check開始****
470 Target: 6, victim: 7, Loss: 1.8733, Acc: 100.00%, CE_Loss: 0.38, Reg_Loss: 294.22 avg_loss_reg:303.14: 67% █ | 669/1000 [23:07<11:26, 2.07s/it]
471 early stop 所有
472 ***Symmetric Check結束****
473 *****檢測結束*****
474 檢測結果: Model是安全的(Benign)
475 整體耗時: 1747.4888544082642 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000031-----
476 -----Pre-Screening開始****
477 ****Pre-Screening結束****
478 ***Pre-Screening結束****
479 可能的攻擊方式: Label Specific Backdoor Attack
480 可能的 target-victim 配對: ['5-6', '5-7', '6-5']
481 ***Trigger Reverse Engineering開始****
482 Target: 5, victim: 6, Loss: 1.4792, Acc: 100.00%, CE_Loss: 0.13, Reg_Loss: 398.81, Cost:0.00 best_reg:404.01 avg_loss_reg:409.55: 29% █ | 286/1000 [31:40<1:19:05, 6.65s/it]
483 early stop 所有
484 ***Trigger Reverse Engineering結束****
485 Target Class: 5 Victim Class: 6 Trigger Size: 398.8098449707031 Optimization Steps: 202
486 ***Symmetric Check開始****
487 Target: 6, victim: 5, Loss: 1.9224, Acc: 100.00%, CE_Loss: 0.14, Reg_Loss: 156.47, Cost:0.01 best_reg:157.26 avg_loss_reg:157.26: 12% █ | 117/1000 [13:03<1:38:31, 6.69s/it]
488 early stop 所有
489 ***Symmetric Check結束****
490 *****檢測結束*****
491 檢測結果: Model是安全的(Benign)
492 整體耗時: 2704.034334897995 -----掃描檔案: D:\UUULi\Datasets\TrojAI\Round2\TrainData\models\unzip\id-000000032-----
493 -----Pre-Screening開始****
494 ****Pre-Screening結束****

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496 可能的攻擊方式: Label Specific Backdoor Attack
497 可能的 target-victim 配對: ['1-8', '1-5', '1-6', '2-3', '3-2', '3-4', '4-5', '4-6', '7-11', '7-2', '7-1', '8-9', '8-10', '9-8', '9-11', '10-15', '11-7', '12-13', '13-12', '14-12', '14-13', '15-0', '15-9', '15-10']
498 ***Trigger Reverse Engineering 開始***
499 Target: 1, victim: 6, Loss: 3.6085, Acc: 100.00%, CE_Loss: 0.13, Reg_Loss: 0.01 best_reg:458.01, Cost:0.01 best_reg:461.86 avg_loss_reg:461.86: 62%|████| | 617/1000 [37:51<23:29, 3.68s/it]
500 early stop 所有
501 ***Trigger Reverse Engineering 結束***+
502 Target Class: 1 Victim Class: 6 Trigger Size: 458.00946044921875 Optimization Steps: 110
503 ***Symmetric Check開始***+
504 Target: 6, victim: 1, Loss: 3.1818, Acc: 100.00%, CE_Loss: 0.45, Reg_Loss: 809.79, Cost:0.00 best_reg:812.31 avg_loss_reg:809.97: 23%|████| | 230/1000 [13:43<45:57, 3.58s/it]
505 early stop 所有
506 ***Symmetric Check結束***+
507 ***Pre-Screening 結束***+
508 檢測結果: Model是安全的(Benign)
509 整體耗時: 3116.76789188385
510 -----掃描檔案: D:\UUUI\Datasets\TroiAI\Round2\TrainData\models\unzip\id-00000003-----
511 ***Pre-Screening 開始***
512 ***Pre-Screening 結束***+
513 可能的攻擊方式: Label Specific Backdoor Attack
514 可能的 target-victim 配對: ['3-4', '5-6', '6-5']
515 ***Trigger Reverse Engineering 開始***
516 Target: 5, victim: 6, Loss: 4.2185, Acc: 100.00%, CE_Loss: 0.23, Reg_Loss:233.47, Cost:0.02 best_reg:234.62 avg_loss_reg:234.62: 17%|████| | 174/1000 [10:11<48:23, 3.52s/it]
517 early stop 所有
518 ***Trigger Reverse Engineering 結束***+
519 Target Class: 5 Victim Class: 6 Trigger Size: 233.46673583984375 Optimization Steps: 112
520 ***Symmetric Check開始***+
521 Target: 6, victim: 5, Loss: 3.1235, Acc: 100.00%, CE_Loss: 0.32, Reg_Loss:245.71, Cost:0.01 best_reg:249.25 avg_loss_reg:237.62: 13%|████| | 130/1000 [07:52<52:44, 3.64s/it]
522 early stop 所有
523 ***Symmetric Check結束***+
524 ***Pre-Screening 結束***+
525 檢測結果: Model是安全的(Benign)
526 整體耗時: 1099.8844788074493
527 -----掃描檔案: D:\UUUI\Datasets\TroiAI\Round2\TrainData\models\unzip\id-000000034-----
528 ***Pre-Screening 開始***
529 ***Pre-Screening 結束***+
530 可能的攻擊方式: Label Specific Backdoor Attack
531 可能的 target-victim 配對: ['3-0', '4-5', '4-6', '6-7', '7-1', '7-4']
532 ***Trigger Reverse Engineering 開始***
533 Target: 7, victim: 4, Loss: 2.2440, Acc: 100.00%, CE_Loss: 0.14, Reg_Loss:36.40, Cost:0.06 best_reg:37.46 avg_loss_reg:37.46: 16%|████| | 165/1000 [18:45<1:34:57, 6.82s/it]
534 early stop 所有
535 ***Trigger Reverse Engineering 結束***+
536 Target Class: 7 Victim Class: 4 Trigger Size: 36.403465270996094 Optimization Steps: 86
537 ***Symmetric Check開始***+
538 Target: 4, victim: 7, Loss: 2.2222, Acc: 100.00%, CE_Loss: 0.52, Reg_Loss:1132.12, Cost:0.00 best_reg:1133.48 avg_loss_reg:1106.93: 33%|████| | 330/1000 [37:32<1:16:14, 6.83s/it]
539 early stop 所有
540 ***Symmetric Check結束***+
541 ***Pre-Screening 開始***
542 檢測結果: Model含有後門(Abnormal)
543 整體耗時: 3396.9424216747284
544 ***Pre-Screening 結束***+
545 ***Pre-Screening 開始***
546 可能的攻擊方式: Label Specific Backdoor Attack
547 可能的 target-victim 配對: ['0-1', '0-12', '1-0', '4-5', '5-6', '8-17', '9-10', '10-9', '12-13', '13-14', '14-13', '15-2', '15-8', '15-12', '17-11']
548 可能的 target-victim 配對: ['0-1', '0-12', '1-0', '4-5', '5-6', '8-17', '9-10', '10-9', '12-13', '12-4', '12-15', '13-14', '14-13', '15-2', '15-8', '15-12', '17-11']
549 ***Trigger Reverse Engineering 開始***
550 Target: 12, victim: 4, Loss: 1.8101, Acc: 100.00%, CE_Loss: 0.16, Reg_Loss:96.38, Cost:0.02 best_reg:98.69 avg_loss_reg:100.03: 47%|████| | 468/1000 [08:50<10:02, 1.13s/it]
551 early stop 所有
552 ***Trigger Reverse Engineering 結束***+
553 Target Class: 12 Victim Class: 4 Trigger Size: 96.38319396972656 Optimization Steps: 116
554 ***Symmetric Check開始***+
555 Target: 4, victim: 12, Loss: 3.1677, Acc: 100.00%, CE_Loss: 0.39, Reg_Loss:1851.40, Cost:0.00 best_reg:1851.50 avg_loss_reg:1851.50: 19%|████| | 192/1000 [03:38<15:17, 1.14s/it]
556 early stop 所有
557 ***Symmetric Check結束***+
558 ***Pre-Screening 結束***+
559 檢測結果: Model含有後門(Abnormal)
560 整體耗時: 775.4878854751587
561 -----掃描檔案: D:\UUUI\Datasets\TroiAI\Round2\TrainData\models\unzip\id-000000036-----
562 ***Pre-Screening 開始***
563 ***Pre-Screening 結束***+
564 可能的攻擊方式: Label Specific Backdoor Attack
565 可能的 target-victim 配對: ['1-2', '1-4', '2-1', '2-3', '3-1', '3-13', '3-8', '4-1', '4-2', '4-3', '6-7', '9-7', '10-11', '11-10', '11-12', '11-15', '12-10', '14-13', '16-15']
566 ***Trigger Reverse Engineering 開始***

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567 Target: 11, victim: 12, Loss: 2.9070, Acc: 40.00%, CE_Loss: 2.91, Reg_Loss:2579.24, Cost:0.00 best_reg:1000000000.00 avg_loss_reg:2557.90: 41% | 41/1000 [47:11 < 1:07:37, 6.89s/it]
568 Traceback (most recent call last):
569   File "D:\UU\test_code\k_arm\test\main.py", line 177, in <module>
570     trigger_reverse_engineering(target_classes, victim_classes, backdoor_type, model, DATA_PATH,
571     File "D:\UU\test_code\k_arm\test\k_arm\reverse.py", line 54, in trigger_reverse_engineering
572     pattern, mask, l1_norm, time_cost = scanner.scanning(
573     File "D:\UU\test_code\k_arm\test\k_arm\scanner.py", line 148, in scanning
574     f'Target: {target_classes[target_index]}, victim: {labels[0]}, Loss: {loss:.4f}',
575     File "C:/Users\slab\anaconda3\envs\pytorch1\lib\site-packages\torch\tensor.py", line 534, in __format__
576     return self.item().__format__(format_spec)
577 KeyboardInterrupt
578
579 Process finished with exit code -1073741510 (0xC000013A: interrupted by Ctrl+C)
```