Model #1:

(1) Policy: Autoregressive (Decode Type: sampling, greedy, greedy)

(2) Training Dataset: Butterfly floorplan 14 x 11

(3) Max Epoch = 3

(4) Batch Size = 3

(5) Does not allow loops

(6) Max number of steps: 100

Model #2:

(1) Policy: Autoregressive (Decode Type: sampling, greedy, greedy)

(2) Training Dataset: Butterfly floorplan 14 x 11

(3) Max Epoch = None

(4) Batch Size = 3

(5) Does not allow loops

(6) Max number of steps: 100

Model #3:

(1) Policy: Autoregressive (Decode Type: sampling, greedy, greedy)

(2) Training Dataset: Butterfly floorplan 14 x 11

(3) Max Epoch = None

(4) Batch Size = 4

(5) Does not allow loops

(6) Max number of steps: 100

Model #4:

(1) Policy: Autoregressive (Decode Type: greedy, greedy, greedy)

(2) Training Dataset: Butterfly floorplan 14 x 11

(3) Max Epoch = 200

(4) Batch Size = 4

(5) Allow loops

(6) Max number of steps: 1000

Model #5:

(1) Policy: POMO (Decode Type: greedy, greedy, greedy)

(2) Training Dataset: Butterfly floorplan 14 x 11

(3) Max Epoch = 100

(4) Batch Size = 4

(5) Allow loops

(6) Max number of steps: 1000

Model #6:

Only start from the “entry\_and\_exit” node type and stop at the “target” node type.

(1) Policy: POMO (Decode Type: greedy, greedy, greedy)

(2) Training Dataset: Butterfly floorplan 14 x 11

(3) Max Epoch = 100

(4) Batch Size = 4

(5) Allow loops

(6) Max number of steps: 1000

Model #7:

Only start from the “entry\_and\_exit” node type and stop at the “target” node type.

Apply penalty for revisiting the nodes with repetition mask (-50)

(1) Policy: POMO (Decode Type: greedy, greedy, greedy)

(2) Training Dataset: Butterfly floorplan 14 x 11

(3) Max Epoch = 100

(4) Batch Size = 4

(5) Allow loops

(6) Max number of steps: 1000

Model #8:

Only start from the “entry\_and\_exit” node type and stop at the “target” node type.

Apply penalty for revisiting the nodes with repetition mask (-50)

Apply reward for exploring new nodes (20)

(1) Policy: POMO (Decode Type: greedy, greedy, greedy)

(2) Training Dataset: Butterfly floorplan 14 x 11

(3) Max Epoch = 100

(4) Batch Size = 4

(5) Allow loops

(6) Max number of steps: 1000