DQN model test

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2023. 01. 13.

Initial condition

SIR model
max time: 30
n episodes: 8000

epsilon start: 1
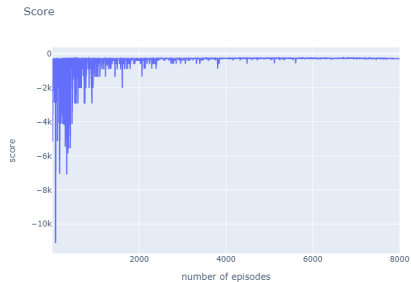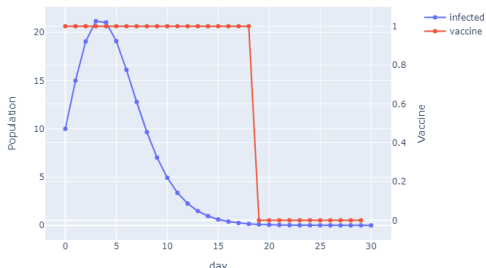epsilon decay: 0.99
epsilon end: 0

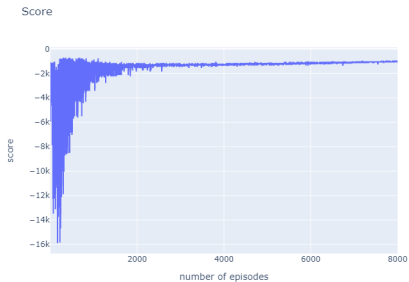S0: 9990
I0: 10
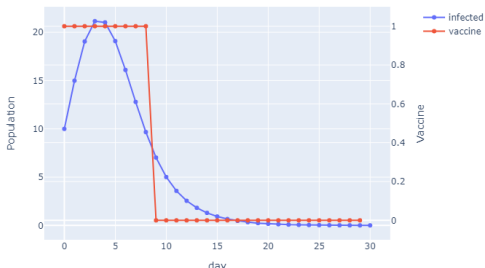gamma: 0.5

beta: 0.0001

nu: 0.2
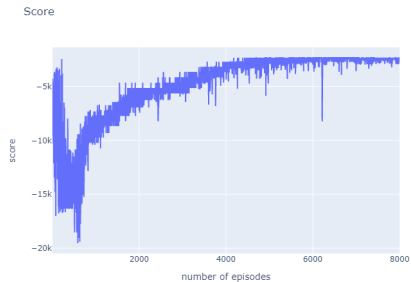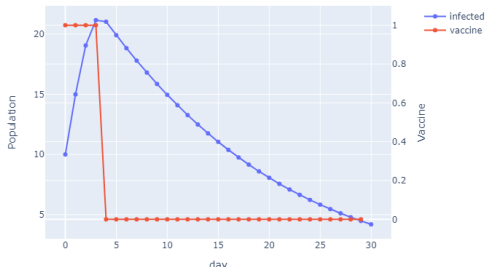
reward: I-10nu

Score

-345.60: I-Vaccine

reward: I-100nu
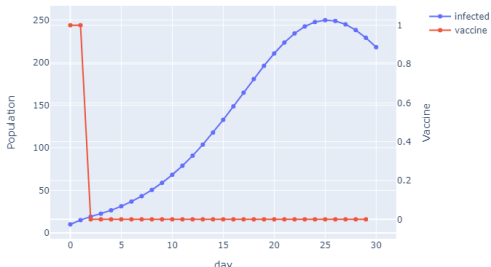
Score

-1058.40: I-Vaccine

reward: I-500nu

Score

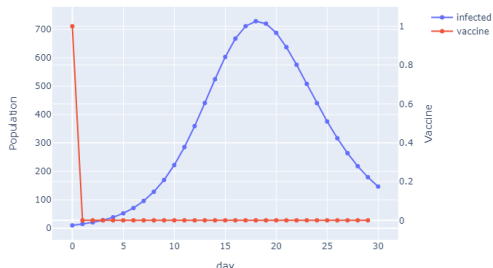-2346.35: I-Vaccine

reward: I-2000nu

Score

-8172.67: I-Vaccine

reward: I-2500nu

Score
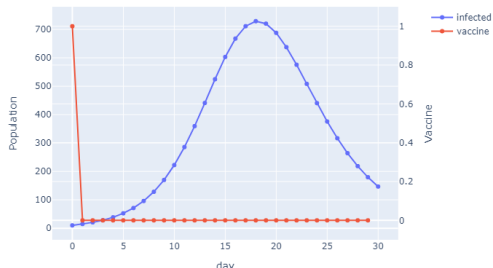

-12736.26: I-Vaccine

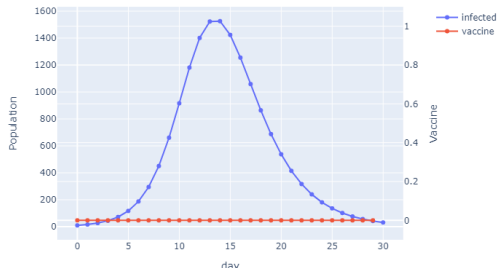# reward: I-2600nu

Score

-12836.26: I-Vaccine

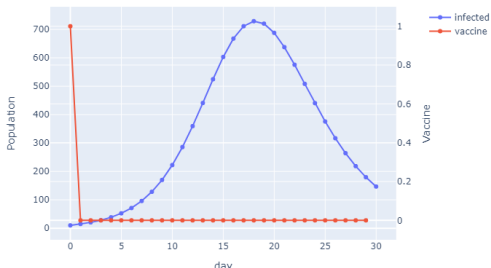# reward: I-2700nu

Score
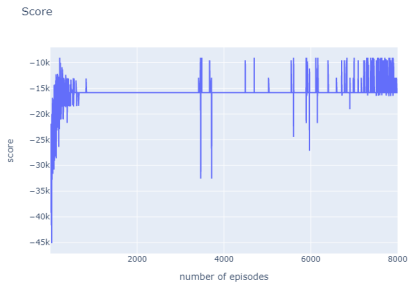
-15845.93: I-Vaccine

reward: I-2800nu

Score
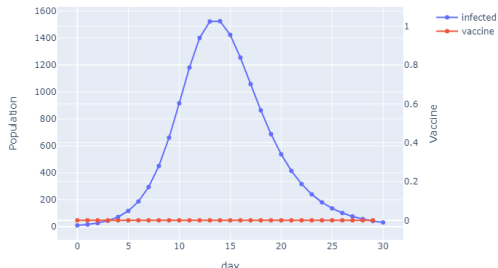

-13036.26: I-Vaccine

reward: I-2900nu

Score
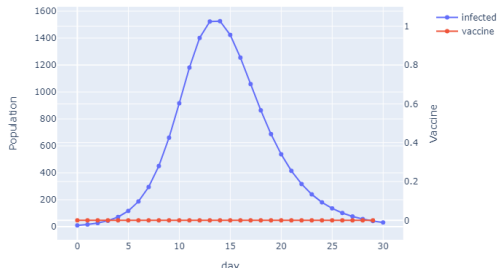

-15845.93: I-Vaccine
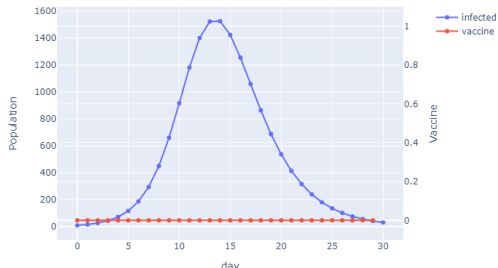
reward: I-3000nu

Score

-15845.93: I-Vaccine

reward: I-3500nu

Score
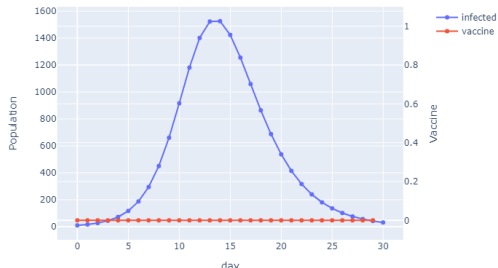

-15845.93: I-Vaccine
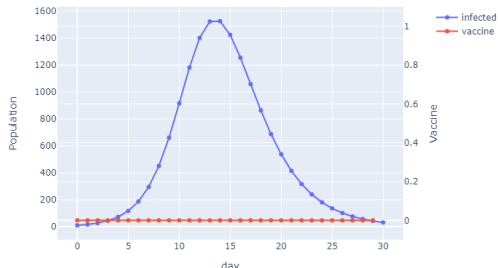
reward: I-4000nu

Score
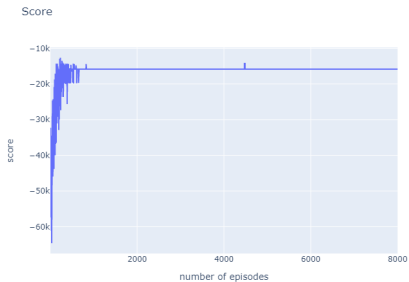
-15845.93: I-Vaccine
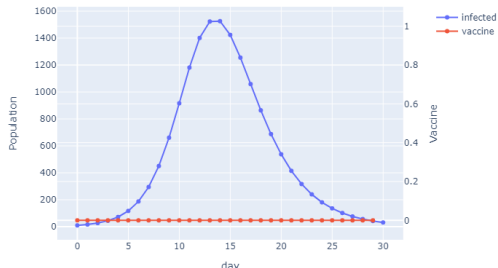
reward: I-4500nu

Score
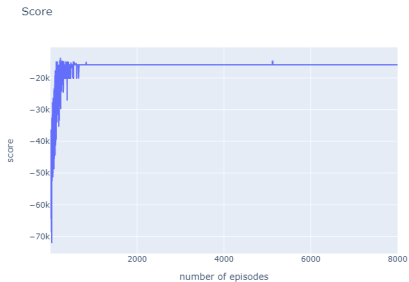
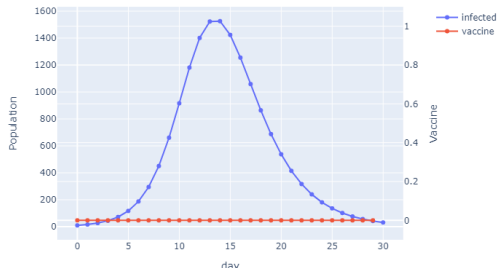-15845.93: I-Vaccine

reward: I-5000nu

Score
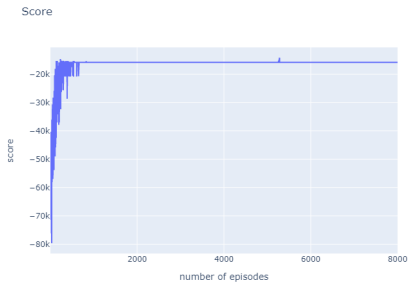
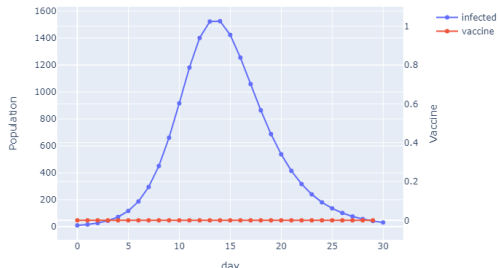-15845.93: I-Vaccine

reward: I-6000nu

Score
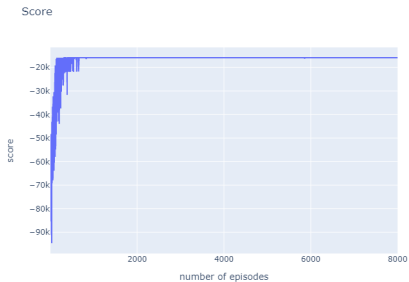
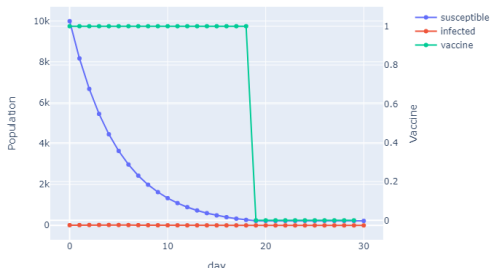-15845.93: I-Vaccine

reward: I-7000nu

Score
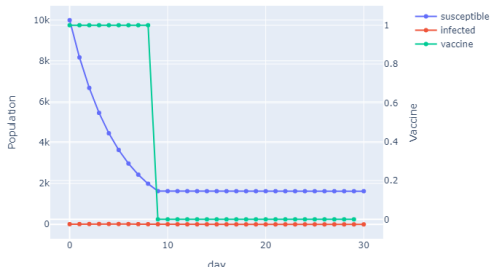

-15845.93: I-Vaccine

reward: I-10nu
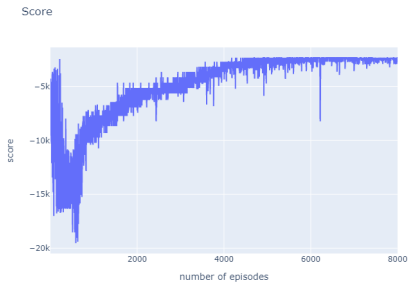

Score
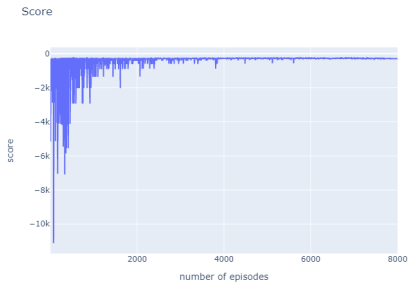
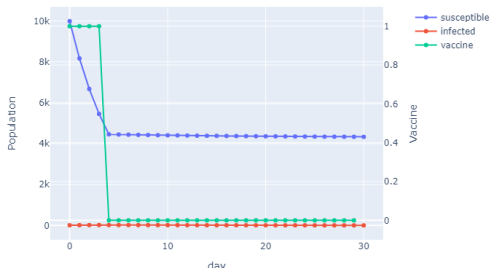-345.60: SIR model with control

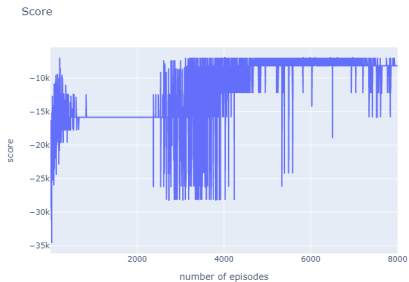# reward: I-100nu

Score
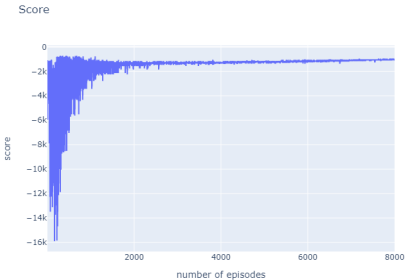
-1058.40: SIR model with control
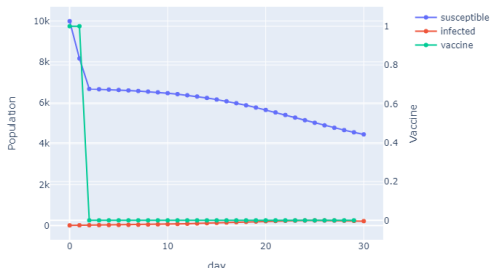
reward: I-500nu

Score

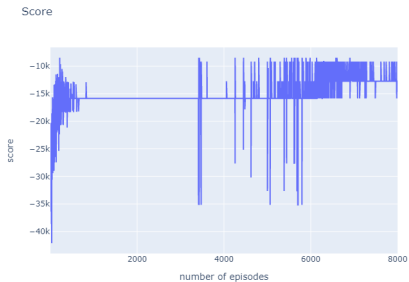
-2346.35: SIR model with control
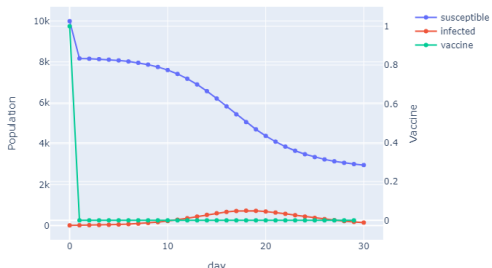
reward: I-2000nu

Score

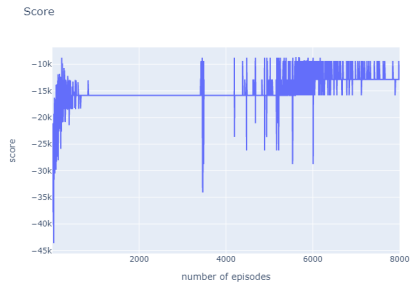-8172.67: SIR model with control
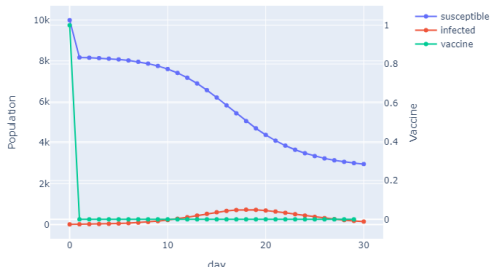
reward: I-2500nu

Score

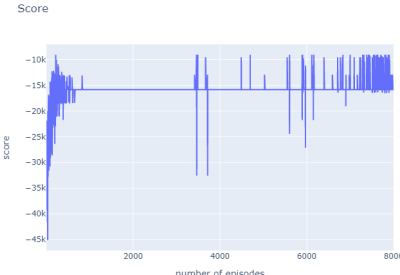-12736.26: SIR model with control
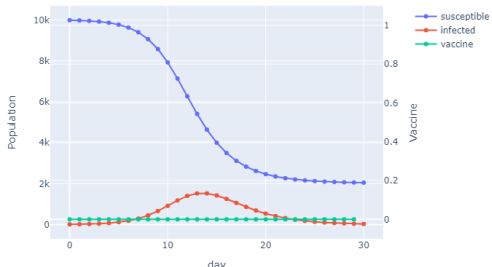
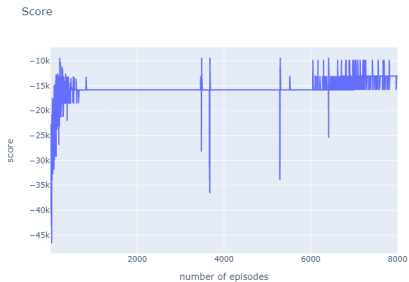# reward: I-2600nu

Score

-12836.26: SIR model with control
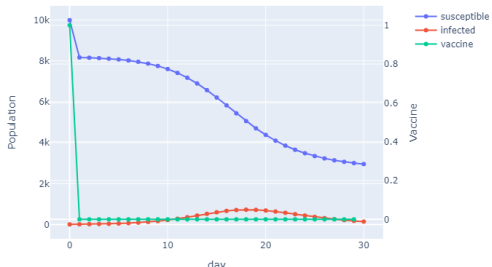
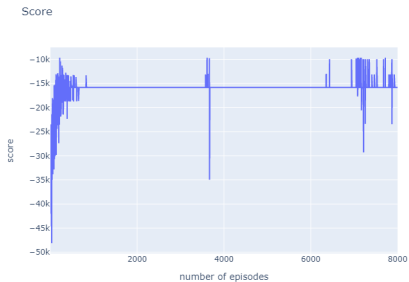# reward: I-2700nu

Score

-15845.93: SIR model with control
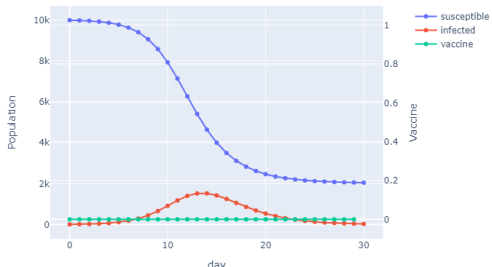
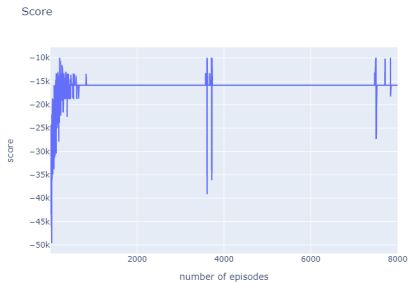# reward: I-2800nu

Score

-13036.26: SIR model with control
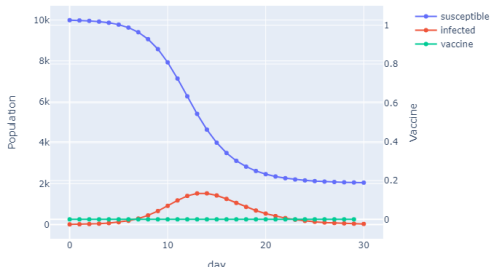
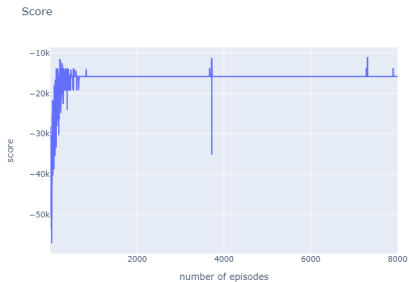# reward: I-2900nu

Score

-15845.93: SIR model with control

reward: I-3000nu

Score

-15845.93: SIR model with control

reward: I-3500nu

Score

-15845.93: SIR model with control

reward: I-4000nu

Score

-15845.93: SIR model with control

reward: I-4500nu
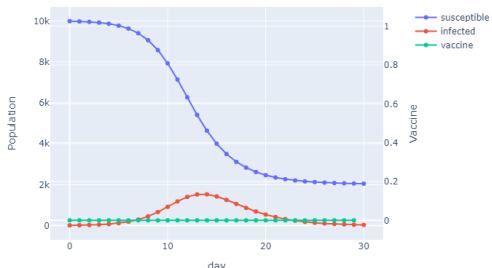
Score

-15845.93: SIR model with control

reward: I-5000nu
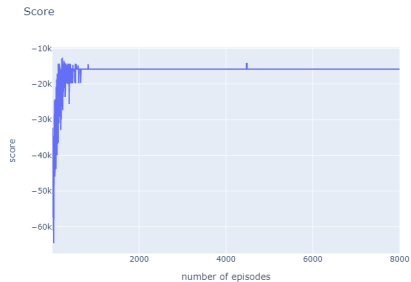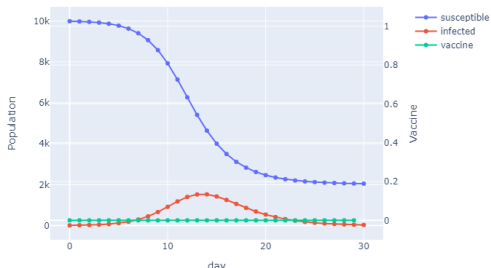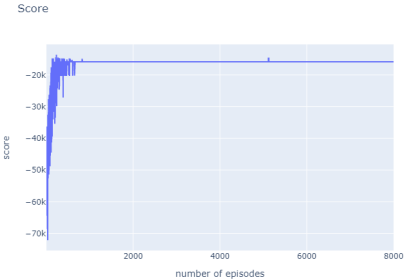
Score

-15845.93: SIR model with control

reward: I-6000nu

Score
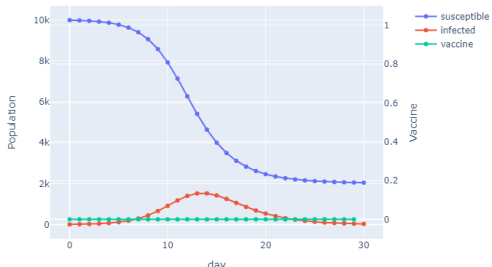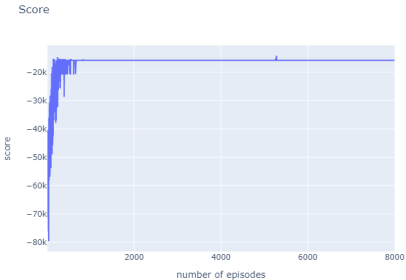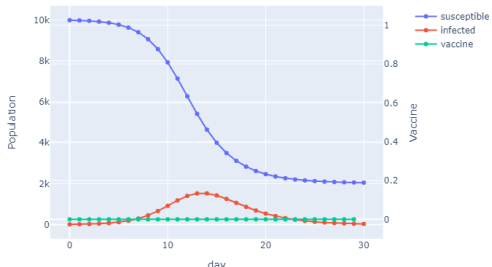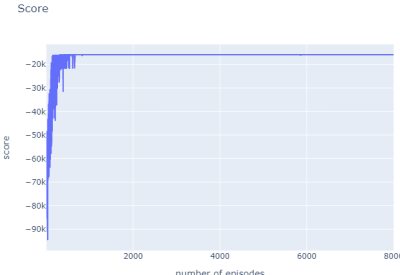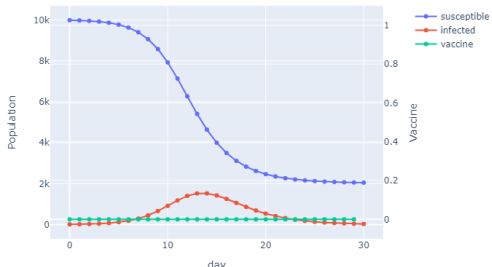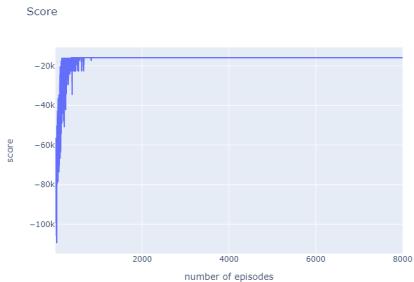

-15845.93: SIR model with control

reward: I-7000nu

Score

-15845.93: SIR model with control