# **“ v1\_24”:**

1. **Adam**:

ngpu 1

d\_conv\_dim 64

g\_conv\_dim 64

z\_size 100

n\_epochs 1600

img\_size 64

batch\_size 512

real\_label 1

fake\_label 0

Loss\_name: BCELoss

Optim\_name1: Adam

Optim\_name2: RMSprop

lr 0.0002

beta1 0.5

beta2 0.999

**Comment**: The same as “v1\_20” but for a bigger amount of epochs.

1. **RMSprop**:

ngpu 1

d\_conv\_dim 64

g\_conv\_dim 64

z\_size 100

n\_epochs 1600

img\_size 64

batch\_size 512

real\_label 1

fake\_label 0

Loss\_name: BCELoss

Optim\_name1: Adam

Optim\_name2: RMSprop

lr 0.0002

beta1 0.9

beta2 0.999

**Comment**: The same as “v1\_19” but for a bigger amount of epochs.

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# **“ v1\_25”:**

1. **Adam**:

ngpu 1

d\_conv\_dim 64

g\_conv\_dim 64

z\_size 100

n\_epochs 1600

img\_size 64

batch\_size 1024

real\_label 1

fake\_label 0

Loss\_name: BCELoss

Optim\_name1: Adam

Optim\_name2: RMSprop

lr 0.0002

beta1 0.5

beta2 0.999

1. **RMSprop**:

ngpu 1

d\_conv\_dim 64

g\_conv\_dim 64

z\_size 100

n\_epochs 1600

img\_size 64

batch\_size 1024

real\_label 1

fake\_label 0

Loss\_name: BCELoss

Optim\_name1: Adam

Optim\_name2: RMSprop

lr 0.0002

beta1 0.9

beta2 0.999

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# **“ v1\_26”:**

1. **Adam**:

ngpu 1

d\_conv\_dim 64

g\_conv\_dim 64

z\_size 100

n\_epochs 1500

img\_size 64

batch\_size 512

real\_label 1

fake\_label 0

Loss\_name: BCELoss

Optim\_name1: Adam

Optim\_name2: RMSprop

lr 0.0002

beta1 0.5

beta2 0.999

**Comment**: The same as “v1\_20” but for a bigger amount of epochs.

**Comment2**: Different gradient function: MeanBackward (in a

structure).

1. **RMSprop**:

ngpu 1

d\_conv\_dim 64

g\_conv\_dim 64

z\_size 100

n\_epochs 1500

img\_size 64

batch\_size 512

real\_label 1

fake\_label 0

Loss\_name: BCELoss

Optim\_name1: Adam

Optim\_name2: RMSprop

lr 0.0002

beta1 0.9

beta2 0.999

**Comment**: The same as “v1\_19” but for a bigger amount of epochs.

**Comment2**: Different gradient function: MeanBackward (in a

structure).

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# **“ v1\_27”: - COMPLETELY FAIL**

1. **Adam**:

ngpu 1

d\_conv\_dim 64

g\_conv\_dim 64

z\_size 100

n\_epochs 1600

img\_size 64

batch\_size 1024

real\_label 1

fake\_label 0

Loss\_name: Wasserstein

Optim\_name1: Adam

Optim\_name2: RMSprop

lr 0.0002

beta1 0.5

beta2 0.999

**Comment**: The same as “v1\_25”.

**Comment2**: Try to implement Wasserstein algorithm. Changed a little by myself.

1. **RMSprop**:

ngpu 1

d\_conv\_dim 64

g\_conv\_dim 64

z\_size 100

n\_epochs 1500

img\_size 64

batch\_size 512

real\_label 1

fake\_label 0

Loss\_name: Wasserstein

Optim\_name1: Adam

Optim\_name2: RMSprop

lr 0.0002

beta1 0.9

beta2 0.999

**Comment**: The same as “v1\_19” but for a bigger amount of epochs.

**Comment2**: Try to implement Wasserstein algorithm. Changed a little by myself.

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# **“ v1\_28”:**

1. **Adam**:

ngpu 1

d\_conv\_dim 64

g\_conv\_dim 64

z\_size 100

n\_epochs 1500

img\_size 64

batch\_size 512

real\_label 1

fake\_label 0

Loss\_name: BCELoss

Optim\_name1: Adam

Optim\_name2: RMSprop

lr 0.0002

beta1 0.5

beta2 0.999

**Comment**: The same as “v1\_20” but for a bigger amount of epochs.

**Comment2**: Usual model but: Generator update is only after the fifth of Discriminator update.

1. **RMSprop**:

ngpu 1

d\_conv\_dim 64

g\_conv\_dim 64

z\_size 100

n\_epochs 1500

img\_size 64

batch\_size 512

real\_label 1

fake\_label 0

Loss\_name: BCELoss

Optim\_name1: Adam

Optim\_name2: RMSprop

lr 0.0002

beta1 0.9

beta2 0.999

**Comment**: The same as “v1\_19” but for a bigger amount of epochs.

**Comment2**: Usual model but: Generator update is only after the fifth of Discriminator update.

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# **“ v1\_29”: - FAIL**

1. **Adam**:

ngpu 1

d\_conv\_dim 64

g\_conv\_dim 64

z\_size 100

n\_epochs 1500

img\_size 64

batch\_size 512

real\_label 1

fake\_label 0

Loss\_name: L1Loss

Optim\_name1: Adam

Optim\_name2: RMSprop

lr 0.0002

beta1 0.5

beta2 0.999

**Comment**: The same as “v1\_20” but for a bigger amount of epochs.

**Comment2**: Different loss - L1Loss.

1. **RMSprop**:

ngpu 1

d\_conv\_dim 64

g\_conv\_dim 64

z\_size 100

n\_epochs 1500

img\_size 64

batch\_size 512

real\_label 1

fake\_label 0

Loss\_name: L1Loss

Optim\_name1: Adam

Optim\_name2: RMSprop

lr 0.0002

beta1 0.9

beta2 0.999

**Comment**: The same as “v1\_19” but for a bigger amount of epochs.

**Comment2**: Different loss - L1Loss.

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# **“ v1\_30”:**

# ngpu 1

d\_conv\_dim 64

g\_conv\_dim 64

z\_size 100

n\_epochs 1400

img\_size 64

batch\_size 256

real\_label 1

fake\_label 0

Loss\_name: BCELoss

Optim\_name1: Adam

lr 0.0002

beta1 0.5

beta2 0.999

**Comment**: Completely the same as the “v1\_12” version. “v1\_12 “gave very strange results for Adam optimizer. It’s the reason why it was tried again.

# **“ v1\_31”:**

1. **Adam**:

ngpu 1

d\_conv\_dim 64

g\_conv\_dim 64

z\_size 100

n\_epochs 1300

img\_size 64

batch\_size 2048

real\_label 1

fake\_label 0

Loss\_name: BCELoss

Optim\_name1: Adam

Optim\_name2: RMSprop

lr 0.0002

beta1 0.5

beta2 0.999

1. **RMSprop**:

ngpu 1

d\_conv\_dim 64

g\_conv\_dim 64

z\_size 100

n\_epochs 1300

img\_size 64

batch\_size 2048

real\_label 1

fake\_label 0

Loss\_name: BCELoss

Optim\_name1: Adam

Optim\_name2: RMSprop

lr 0.0002

beta1 0.9

beta2 0.999

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# **“ v1\_32”:**

1. **Adam**:

ngpu 1

d\_conv\_dim 64

g\_conv\_dim 64

z\_size 100

n\_epochs 1300

img\_size 64

batch\_size 4096

real\_label 1

fake\_label 0

Loss\_name: BCELoss

Optim\_name1: Adam

Optim\_name2: RMSprop

lr 0.0002

beta1 0.5

beta2 0.999

1. **RMSprop**:

ngpu 1

d\_conv\_dim 64

g\_conv\_dim 64

z\_size 100

n\_epochs 1300

img\_size 64

batch\_size 4096

real\_label 1

fake\_label 0

Loss\_name: BCELoss

Optim\_name1: Adam

Optim\_name2: RMSprop

lr 0.0002

beta1 0.9

beta2 0.999

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# **“ v1\_33”:**

1. **Adam**:

ngpu 1

d\_conv\_dim 64

g\_conv\_dim 64

z\_size 100

n\_epochs 1500

img\_size 64

batch\_size 4096

real\_label 1

fake\_label 0

Loss\_name: BCELoss

Optim\_name1: Adam

Optim\_name2: RMSprop

lr 0.0002

beta1 0.5

beta2 0.999

**Comment**: Similar to “v1\_28” but vice versa.

**Comment2**: Usual model but: Discriminator update is only after the third of Generator update.

1. **RMSprop**:

ngpu 1

d\_conv\_dim 64

g\_conv\_dim 64

z\_size 100

n\_epochs 1500

img\_size 64

batch\_size 4096

real\_label 1

fake\_label 0

Loss\_name: BCELoss

Optim\_name1: Adam

Optim\_name2: RMSprop

lr 0.0002

beta1 0.9

beta2 0.999

**Comment**: Similar to “v1\_28” but vice versa.

**Comment2**: Usual model but: Discriminator update is only after the third of Generator update.

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