VAE1(

(encoder): Sequential(

(0): Conv2d(1, 32, kernel\_size=(3, 3), stride=(2, 2), padding=(1, 1), bias=False)

(1): BatchNorm2d(32, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(2): LeakyReLU(negative\_slope=0.1, inplace=True)

(3): Dropout2d(p=0.25, inplace=False)

(4): Conv2d(32, 64, kernel\_size=(3, 3), stride=(2, 2), padding=(1, 1), bias=False)

(5): BatchNorm2d(64, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(6): LeakyReLU(negative\_slope=0.1, inplace=True)

(7): Dropout2d(p=0.25, inplace=False)

(8): Conv2d(64, 64, kernel\_size=(3, 3), stride=(2, 2), padding=(1, 1), bias=False)

(9): BatchNorm2d(64, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(10): LeakyReLU(negative\_slope=0.1, inplace=True)

(11): Dropout2d(p=0.25, inplace=False)

(12): Conv2d(64, 64, kernel\_size=(3, 3), stride=(2, 2), padding=(1, 1), bias=False)

(13): BatchNorm2d(64, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(14): LeakyReLU(negative\_slope=0.1, inplace=True)

(15): Dropout2d(p=0.25, inplace=False)

(16): Flatten(start\_dim=1, end\_dim=-1)

)

(z\_mean): Linear(in\_features=256, out\_features=16, bias=True)

(z\_log\_var): Linear(in\_features=256, out\_features=16, bias=True)

(decoder): Sequential(

(0): Linear(in\_features=16, out\_features=256, bias=True)

(1): Reshape()

(2): ConvTranspose2d(4, 64, kernel\_size=(3, 3), stride=(2, 2))

(3): BatchNorm2d(64, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(4): LeakyReLU(negative\_slope=0.1, inplace=True)

(5): Dropout2d(p=0.25, inplace=False)

(6): ConvTranspose2d(64, 64, kernel\_size=(3, 3), stride=(2, 2), padding=(1, 1))

(7): BatchNorm2d(64, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(8): LeakyReLU(negative\_slope=0.1, inplace=True)

(9): Dropout2d(p=0.25, inplace=False)

(10): ConvTranspose2d(64, 32, kernel\_size=(3, 3), stride=(2, 2), padding=(1, 1))

(11): BatchNorm2d(32, eps=1e-05, momentum=0.1, affine=True, track\_running\_stats=True)

(12): LeakyReLU(negative\_slope=0.1, inplace=True)

(13): Dropout2d(p=0.25, inplace=False)

(14): ConvTranspose2d(32, 1, kernel\_size=(3, 3), stride=(2, 2), padding=(1, 1))

(15): Trim()

(16): Sigmoid()

)

)