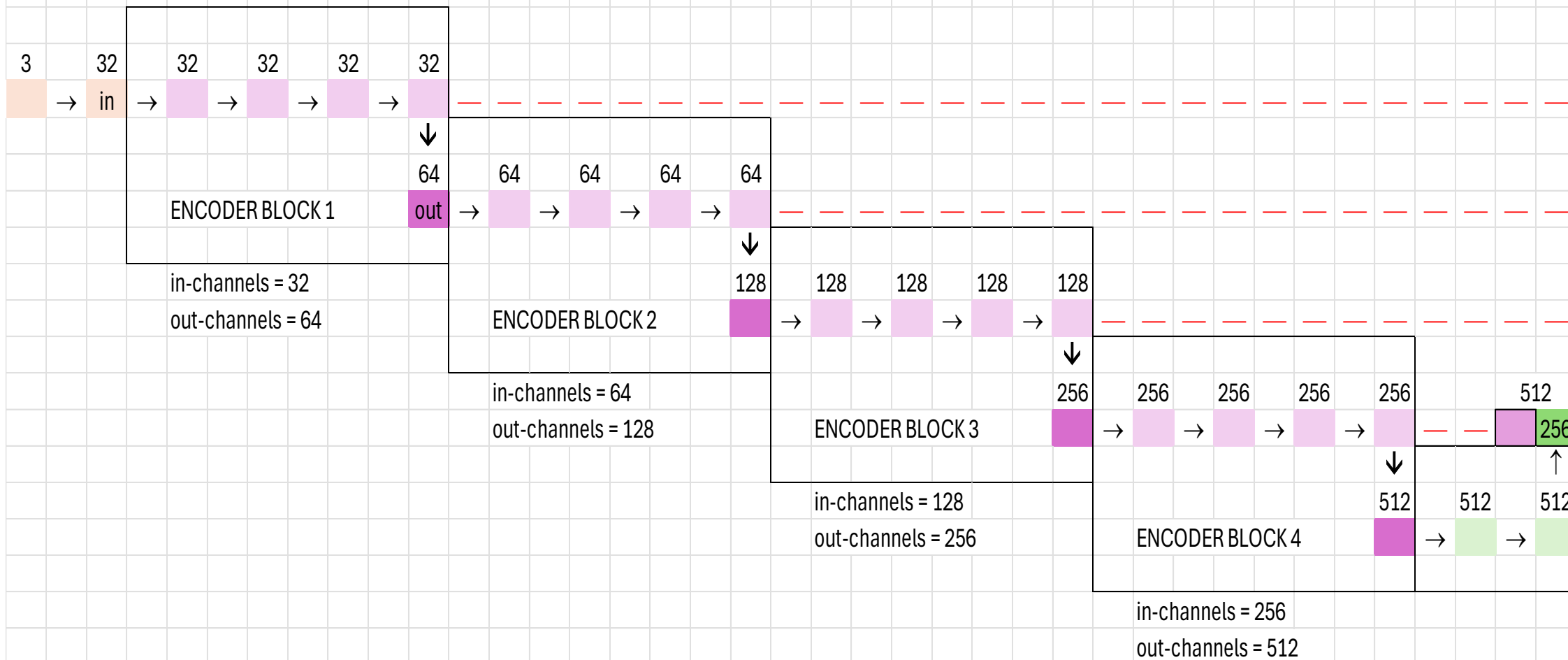
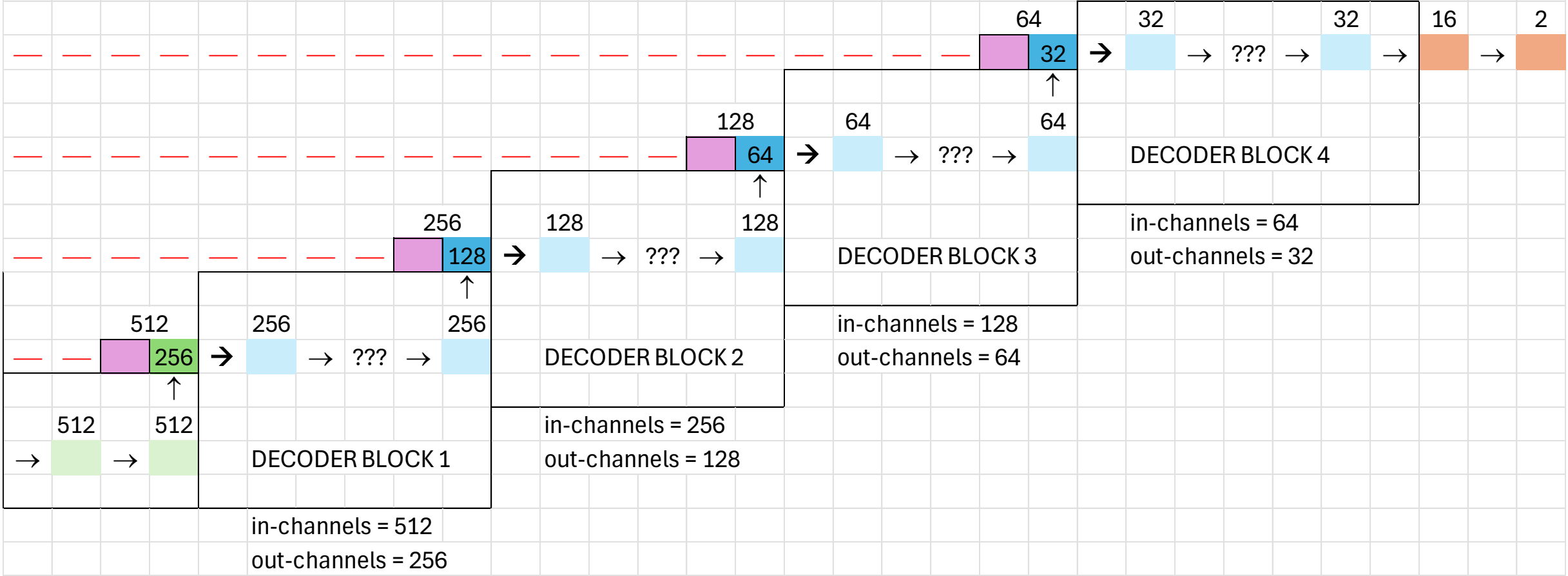


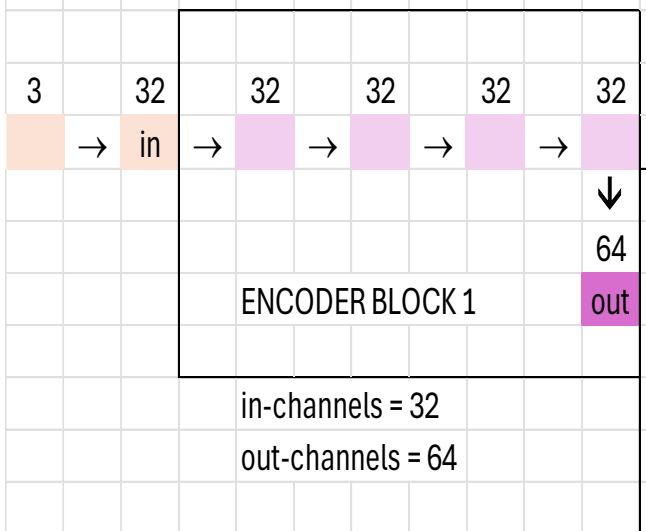
channels = [(32,64), (64, 128), (128, 256), (256,512)]



channels[::-1] = [(256,512), (128, 256), (64, 128), (32,64)]



channels = [(32,64), (64, 128), (128, 256), (256,512)]



```

85  class EncoderBlock(nn.Module):
86  def __init__(self,in_channels,out_channels,time_embedding_dim):
87      super().__init__()
88      self.conv0=nn.Sequential(*[ResidualBottleneck(in_channels,in_channels) for i in range(3)]
89                               +[ResidualBottleneck(in_channels,out_channels//2)])
90
91      self.time_mlp=TimeMLP(embedding_dim=time_embedding_dim,hidden_dim=out_channels,out_dim=out
92      self.conv1=ResidualDownsample(out_channels//2,out_channels)
93
94  def forward(self,x,t=None):
95      x_shortcut=self.conv0(x)
96      if t is not None:
97          x=self.time_mlp(x_shortcut,t)
98      x=self.conv1(x)
99
100     return [x,x_shortcut]
101

```

in-channels = 256
out-channels = 512