```
batch_size = 4
lr = 0.1
epochs = 30
seed = 0
```

Model definition:

```
# Best Model (model 9 from part 4)
class Net9(nn.Module):
  def __init__(self):
    super(Net9,self).__init__()
    self.conv1 = nn.Conv2d(3,30,3)
    self.conv2 = nn.Conv2d(30,30,3)
    self.conv3 = nn.Conv2d(30,30,3)
    self.conv4 = nn.Conv2d(30,30,3)
    self.pool1 = nn.MaxPool2d(2,2)
    self.pool2 = nn.MaxPool2d(2,2,1)
    self.fc1 = nn.Linear(120,32)
    self.fc2 = nn.Linear(32,16)
    self.fc3 = nn.Linear(16,10)

  def forward(self,x):
    x = self.pool1(F.relu(self.conv1(x)))
    x = self.pool1(F.relu(self.conv2(x)))
    x = self.pool1(F.relu(self.conv2(x)))
    x = self.pool2(F.relu(self.conv2(x)))
    x = x.view(-1,120)
    x = F.relu(self.fc1(x))
    x = F.relu(self.fc2(x))
    x = (self.fc3(x))
    return x
```