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

Model definition:

```
class Net_small(nn.Module):
  def __init__(self):
    super(Net_small,self).__init__()
    self.conv1 = nn.Conv2d(3,10,3)
    self.conv2 = nn.Conv2d(10,10,3)
    self.conv3 = nn.Conv2d(10,10,3)
    self.conv4 = nn.Conv2d(10,10,3)
    self.pool1 = nn.MaxPool2d(2,2)
    self.pool2 = nn.MaxPool2d(2,2,1)
    self.fc1 = nn.Linear(40,30)
    self.fc2 = nn.Linear(30,16)
    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(-1,40)
    x = F.relu(self.fc1(x))
    x = F.relu(self.fc2(x))
    x = (self.fc3(x))
    return x
```