

```
# forward(): Define the forward propagation process, describing the connection between layers
def forward(self, x):
    # Regardless of the type of ResNet, the static layer required
    x = self.conv1(x)
    x = self.bn1(x)
    x = self.relu(x)
    x = self.maxpool(x)
    # Dynamic layer
    x = self.layer1(x)
    x = self.layer2(x)
    x = self.layer3(x)
    x = self.layer4(x)

    if self.include_top:
        x = self.avgpool(x)
        x = torch.flatten(x, 1)
        x = self.fc(x)

    return x
```