

```
commad nbdt-hierarchy --arch=wrn28_10_cifar10
--dataset=CIFAR10
```

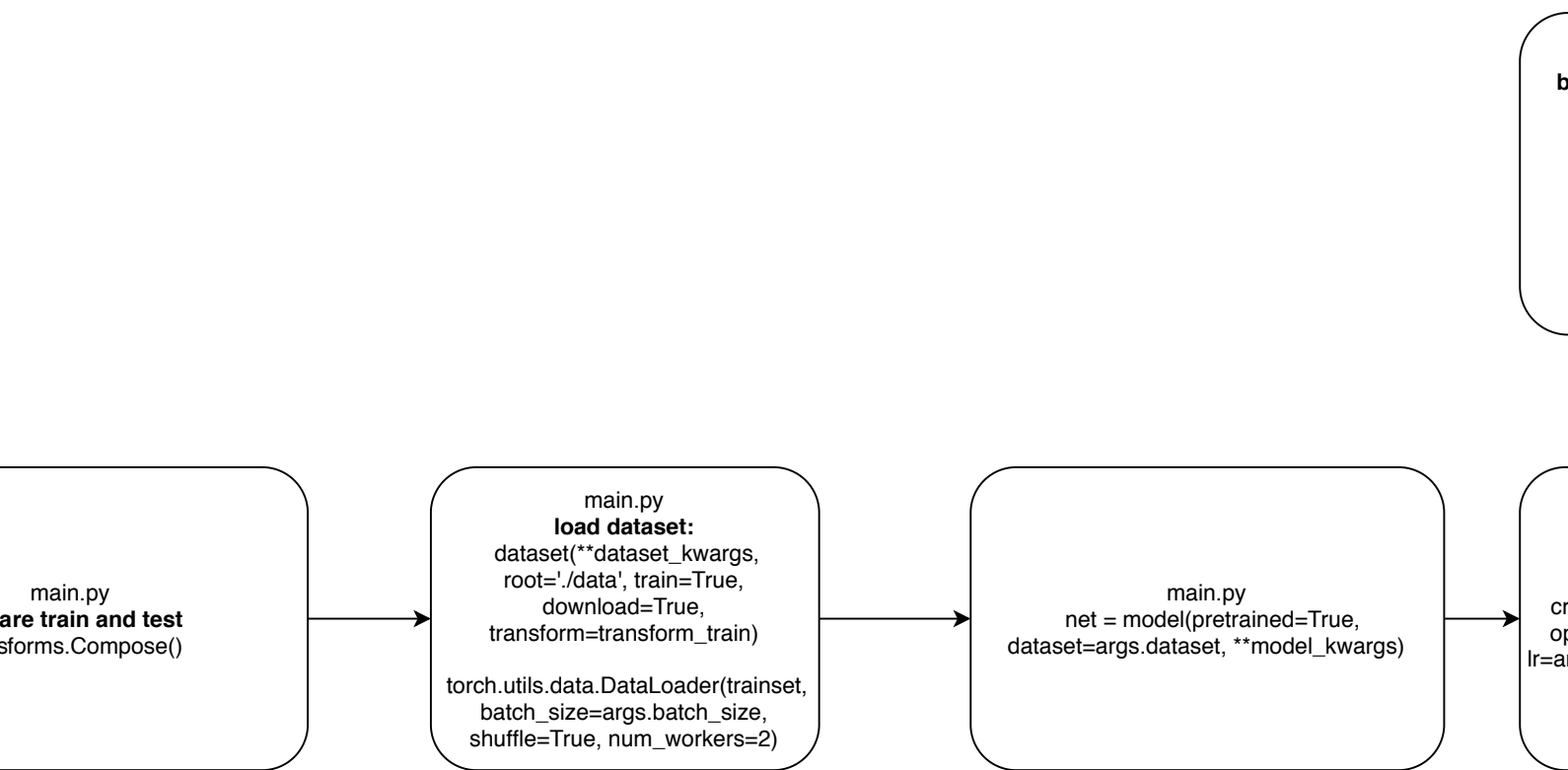
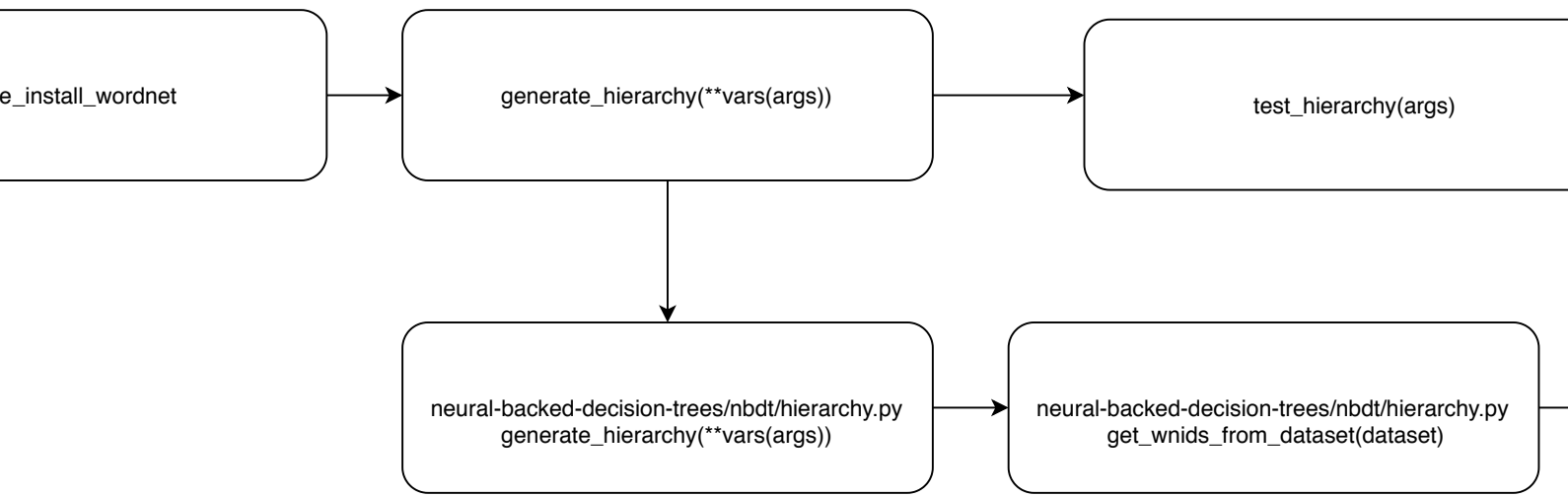
```
from nbdt.hierarchy import generate_hierarchy,
test_hierarchy, generate_hierarchy_vis
from nbdt.graph import get_parser
from nbdt.utils import maybe_install_wordnet
```

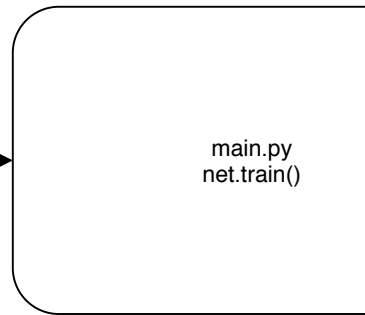
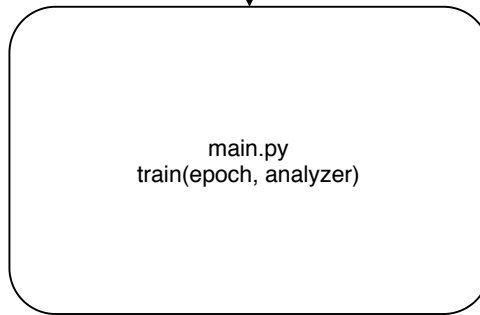
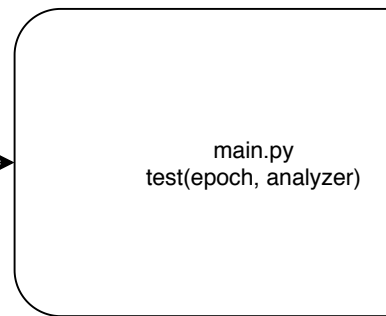
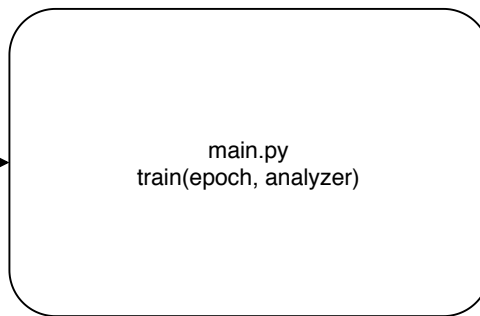
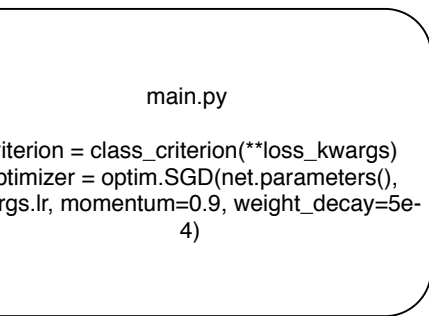
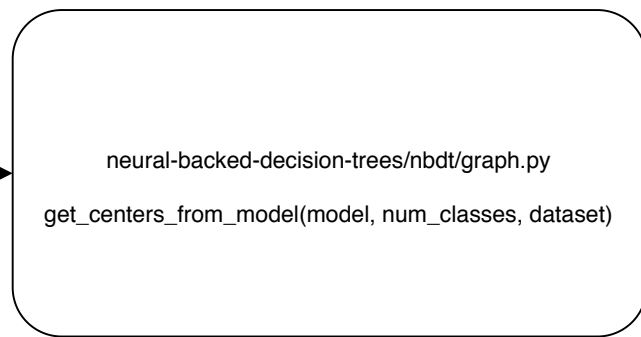
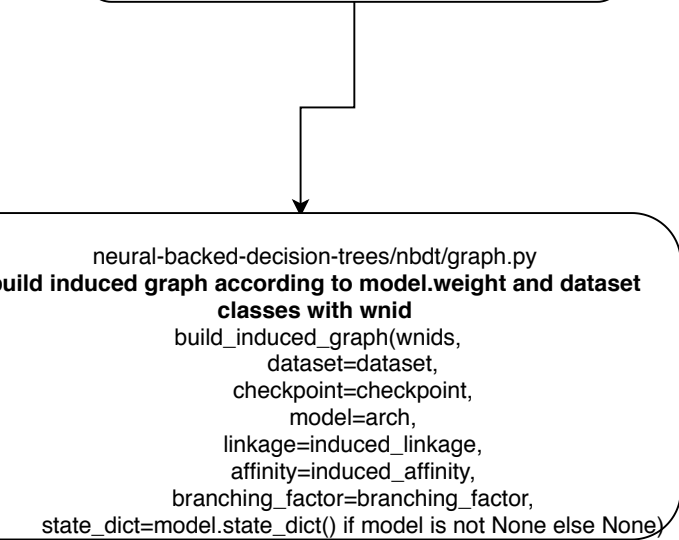
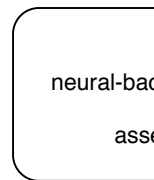
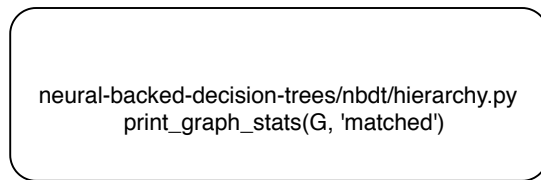
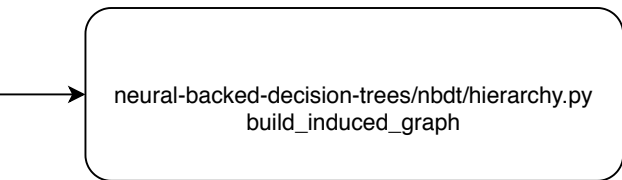
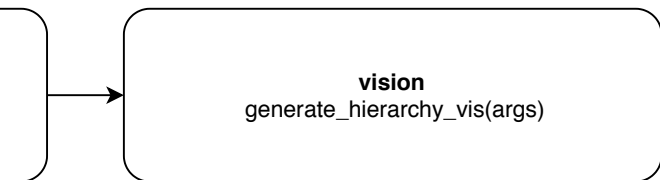
mayb

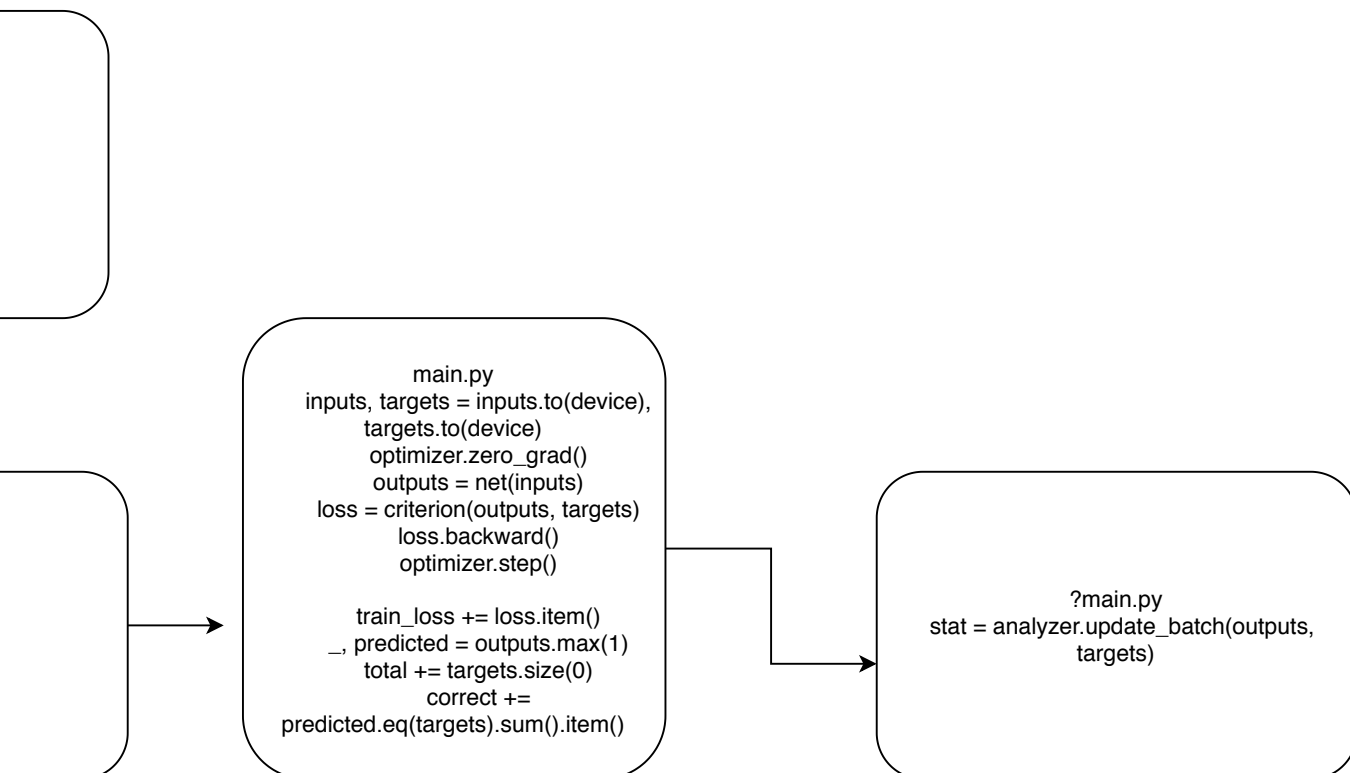
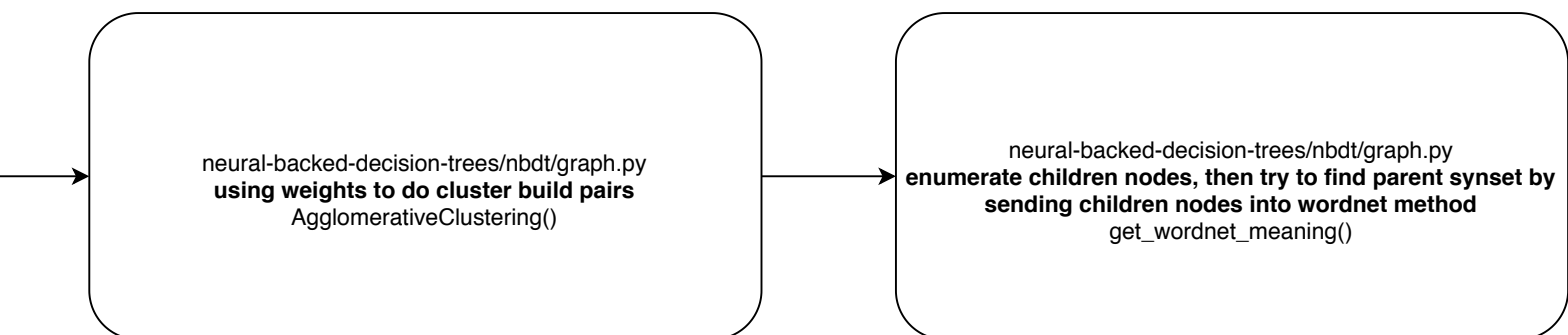
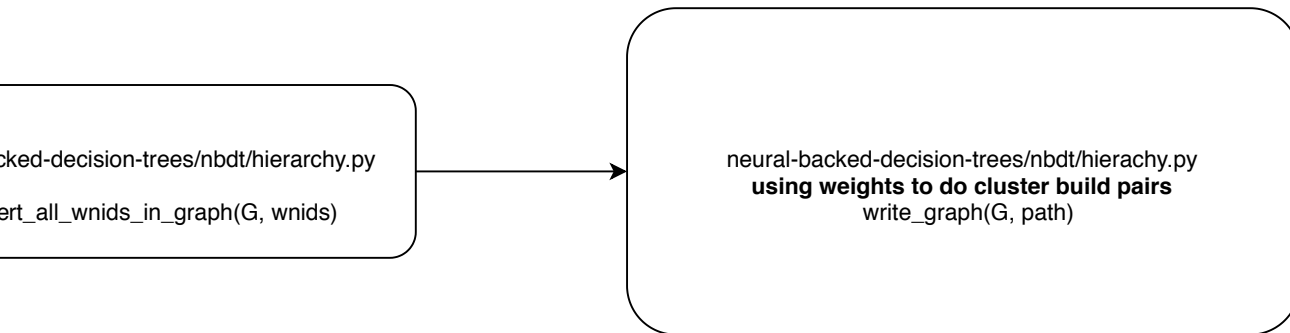
```
python main.py --lr=0.01 --dataset=CIFAR10 --arch=wrn28_10_cifar10 --hierarchy=induced-wrn28_10_cifar10 --
pretrained --loss=SoftTreeSupLoss
```

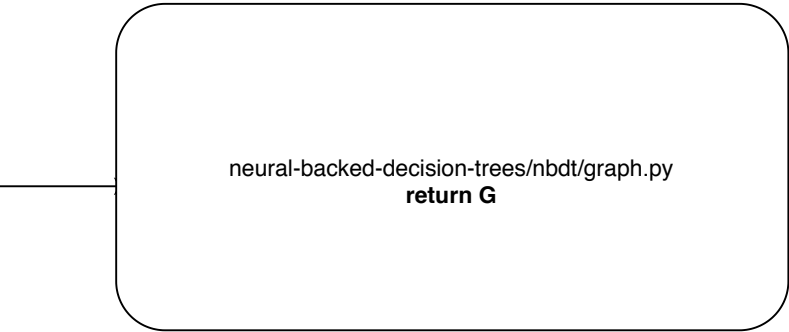
prep  
trans

```
dataset = getattr(data, args.dataset)
model = getattr(models, args.arch);
Note: The model returned by getattr() is from pytorchcv.models.wrn_cifar.wrn28_10_cifar10(in case).
net is returned by __call__() method.
net = model(pretrained=True, dataset=args.dataset, **model_kwargs);
class_criterion = getattr(loss, args.loss)
class_analysis = getattr(analysis, args.analysis or 'Noop')
analyzer = class_analysis(**analyzer_kwargs)
net = model(pretrained=True, dataset=args.dataset, **model_kwargs)
```









```
graph LR; A[neural-backed-decision-trees/nbdt/graph.py  
return G];
```

neural-backed-decision-trees/nbdt/graph.py  
**return G**

1. fbresnet152 last\_linear.weight.  
CIFAR10. output.weight 640\*10
- 2.net = model = wrn28\_10\_cifar10 from pytorchcv
3. ?生成的tree哪里用到了。  
net.train()









