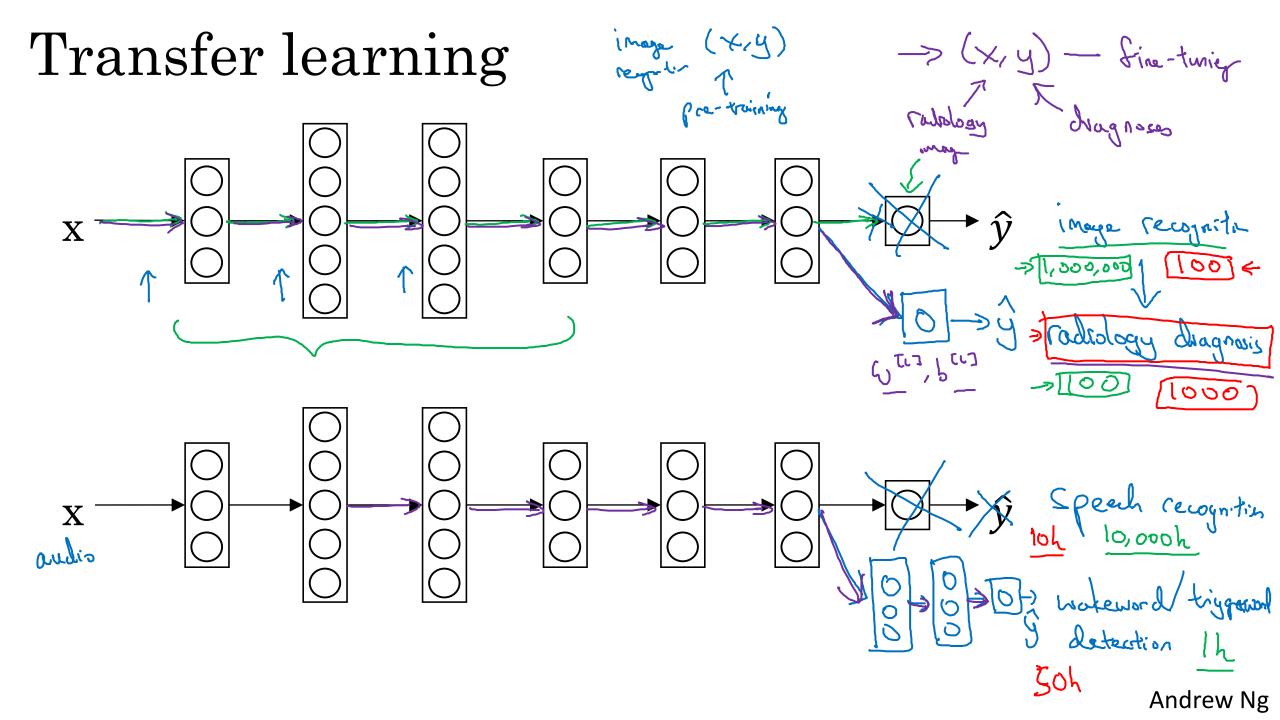


## Learning from multiple tasks

## Transfer learning



## When transfer learning makes sense

Transh from A -> B

• Task A and B have the same input x.

- You have a lot more data for  $\underbrace{Task A}_{\uparrow}$  than  $\underbrace{Task B}_{\checkmark}$ .
- Low level features from A could be helpful for learning B.