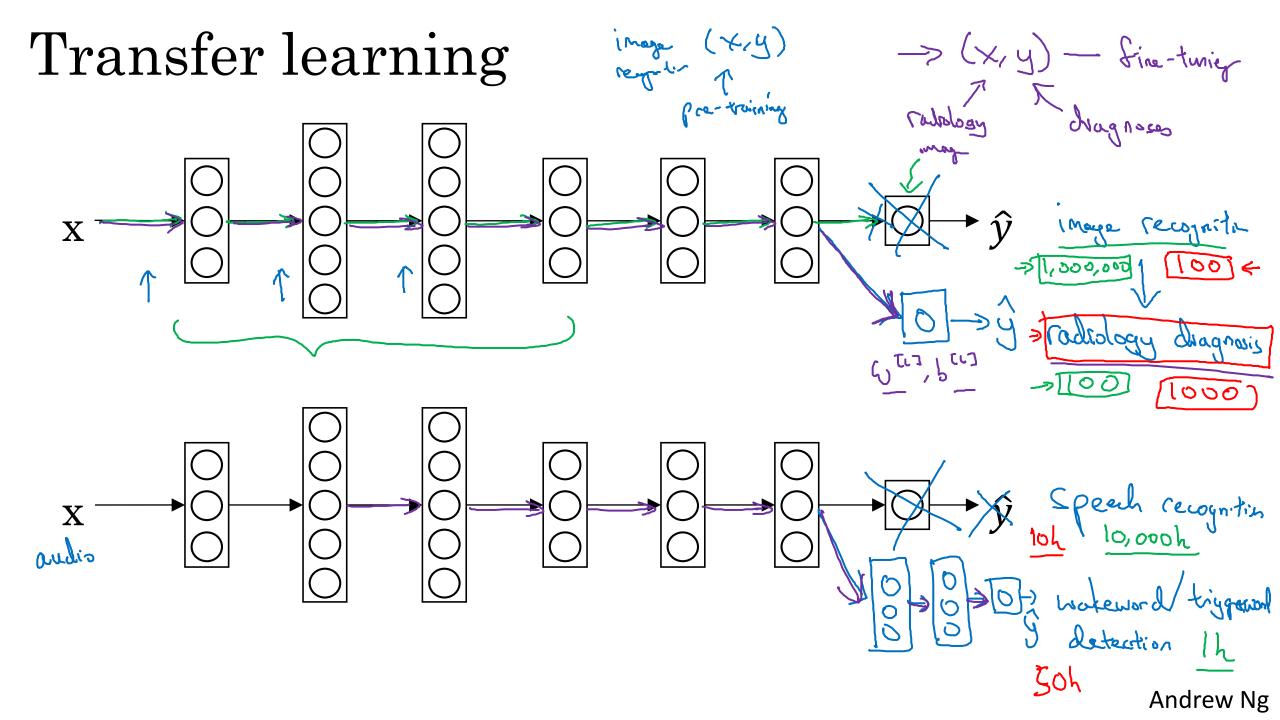


## Learning from multiple tasks

## Transfer learning



## When transfer learning makes sense

Travely 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.