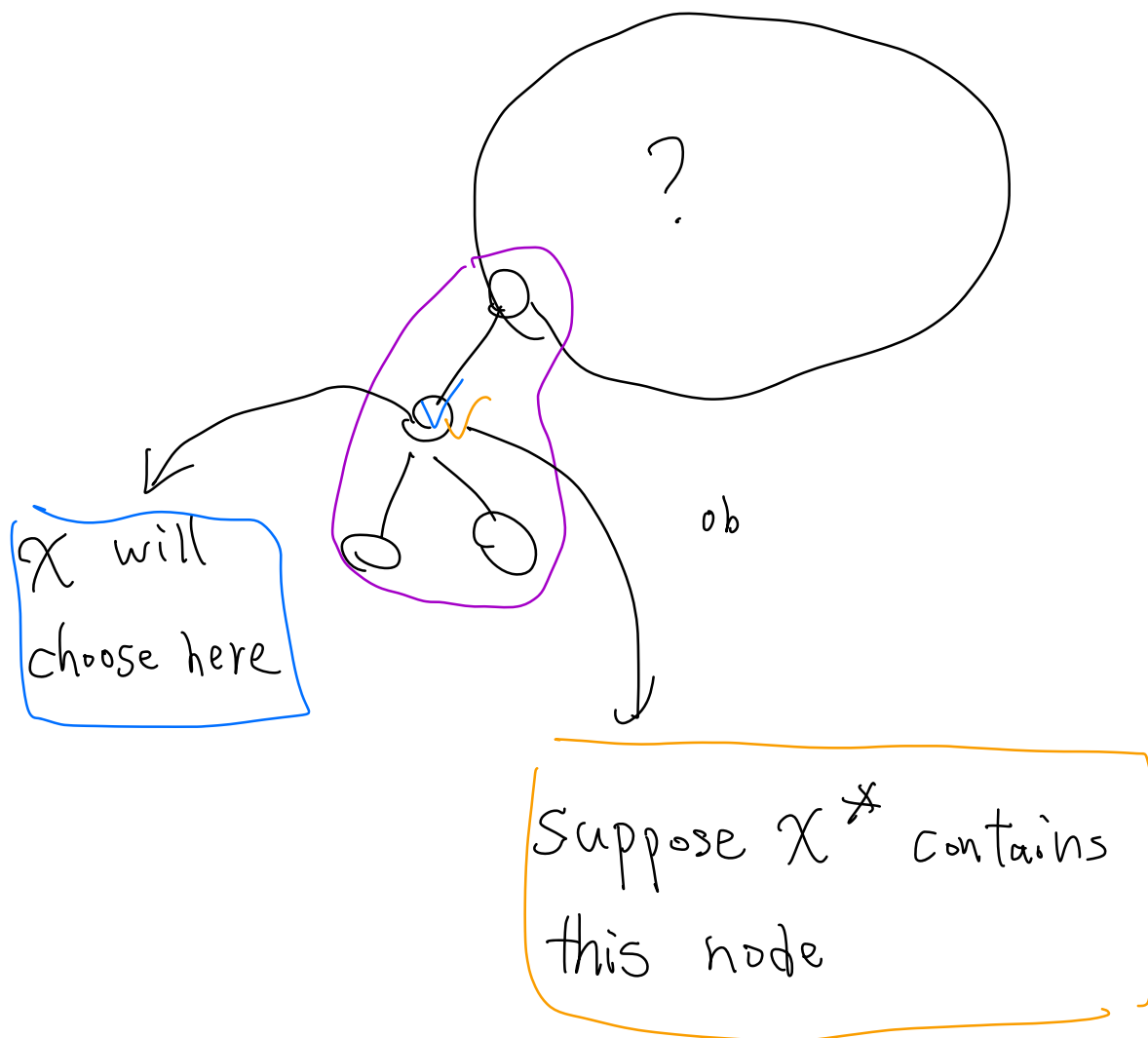


Proof: Exchange argument

X^* = camera indices it places

X = camera indices the greedy choose




Observe that =



X^* must not choose

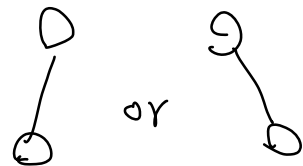
the leaf node in this case

because the parent node will
cover more nodes,

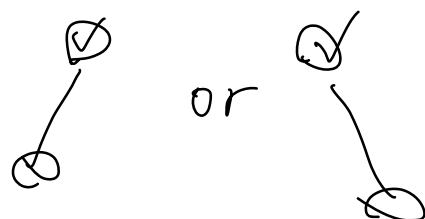
And then we remove  part

Then apply the same argument
again.

NOTE: if we encounter



we still change it to



because it doesn't change the
size of the solution