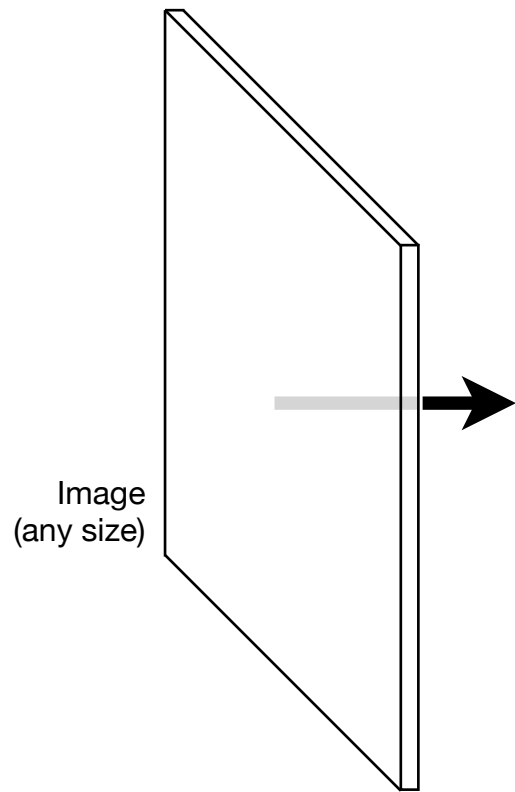
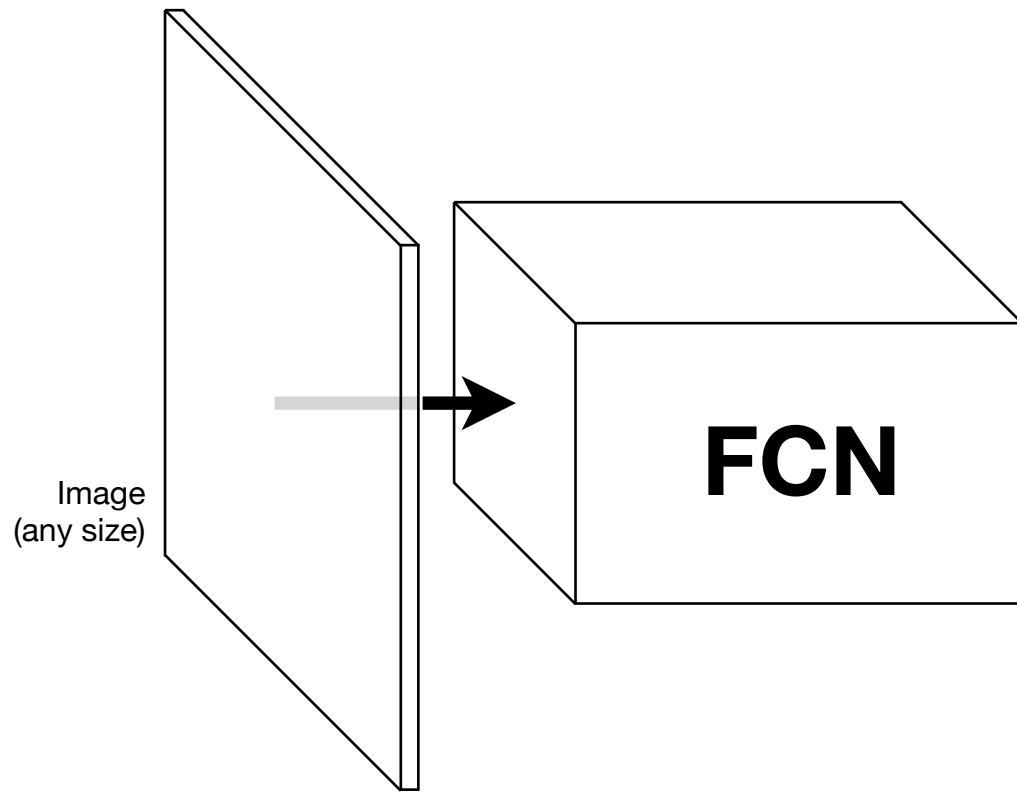


Faster RCNN

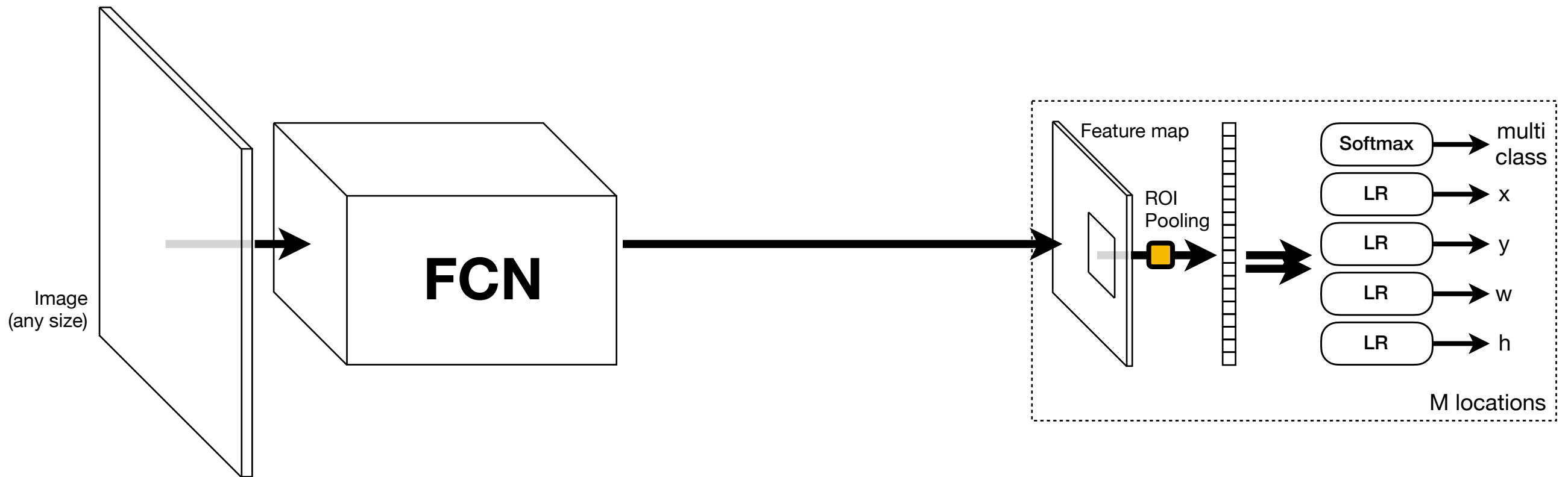
Faster RCNN



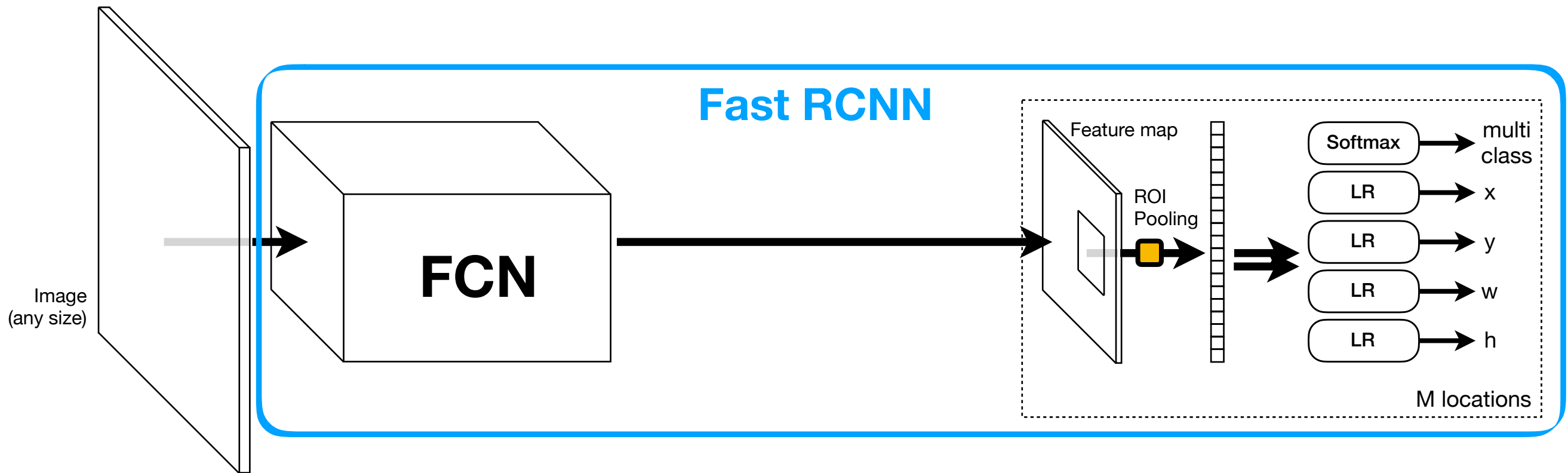
Faster RCNN



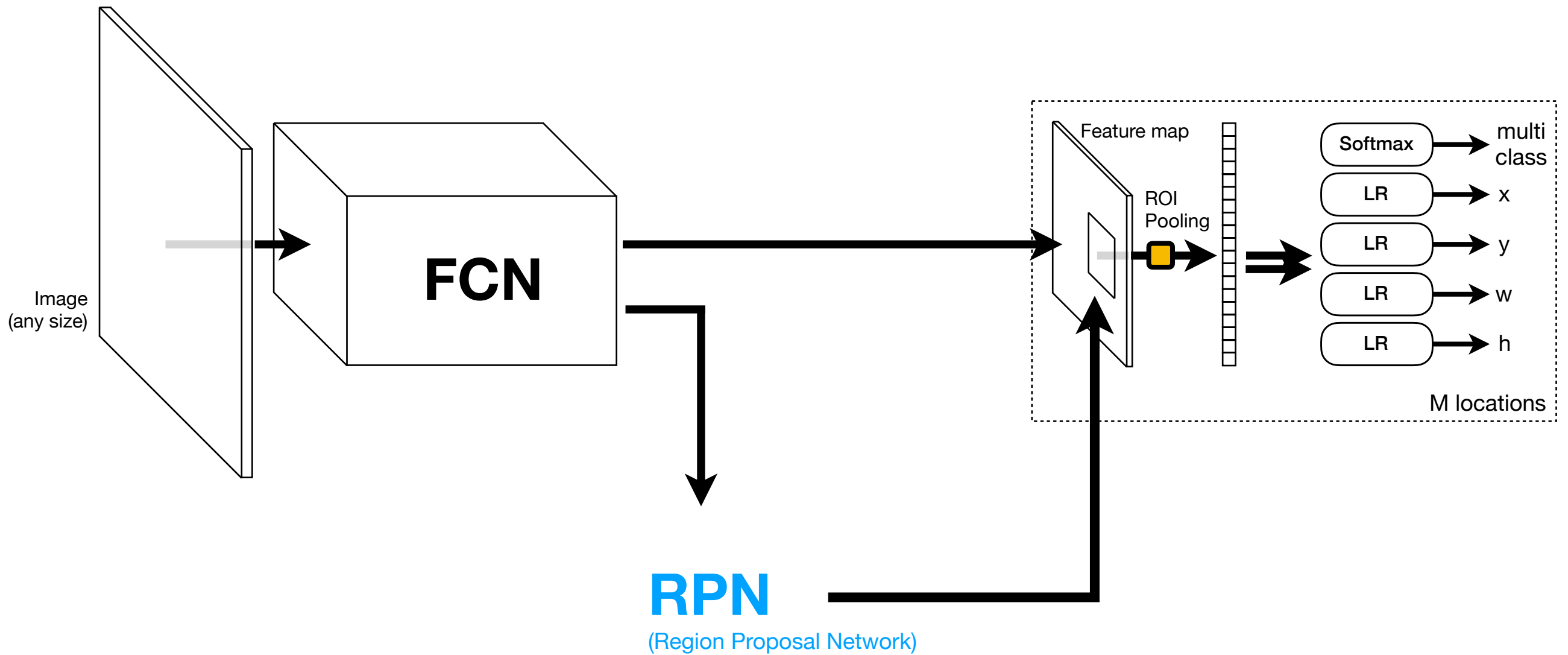
Faster RCNN



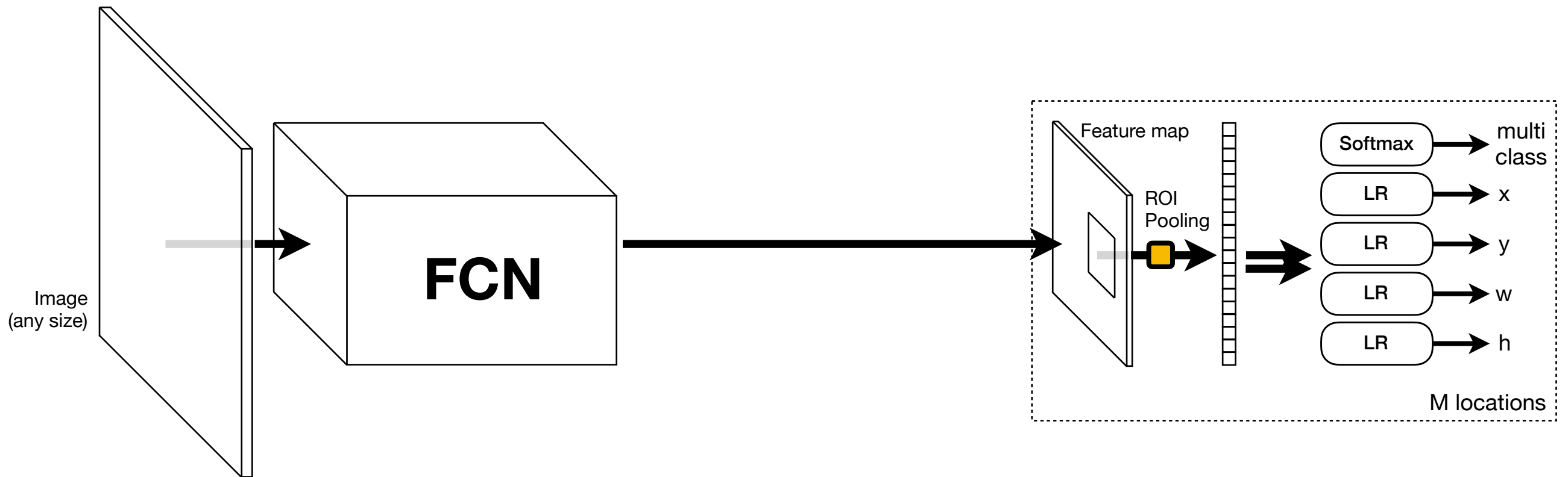
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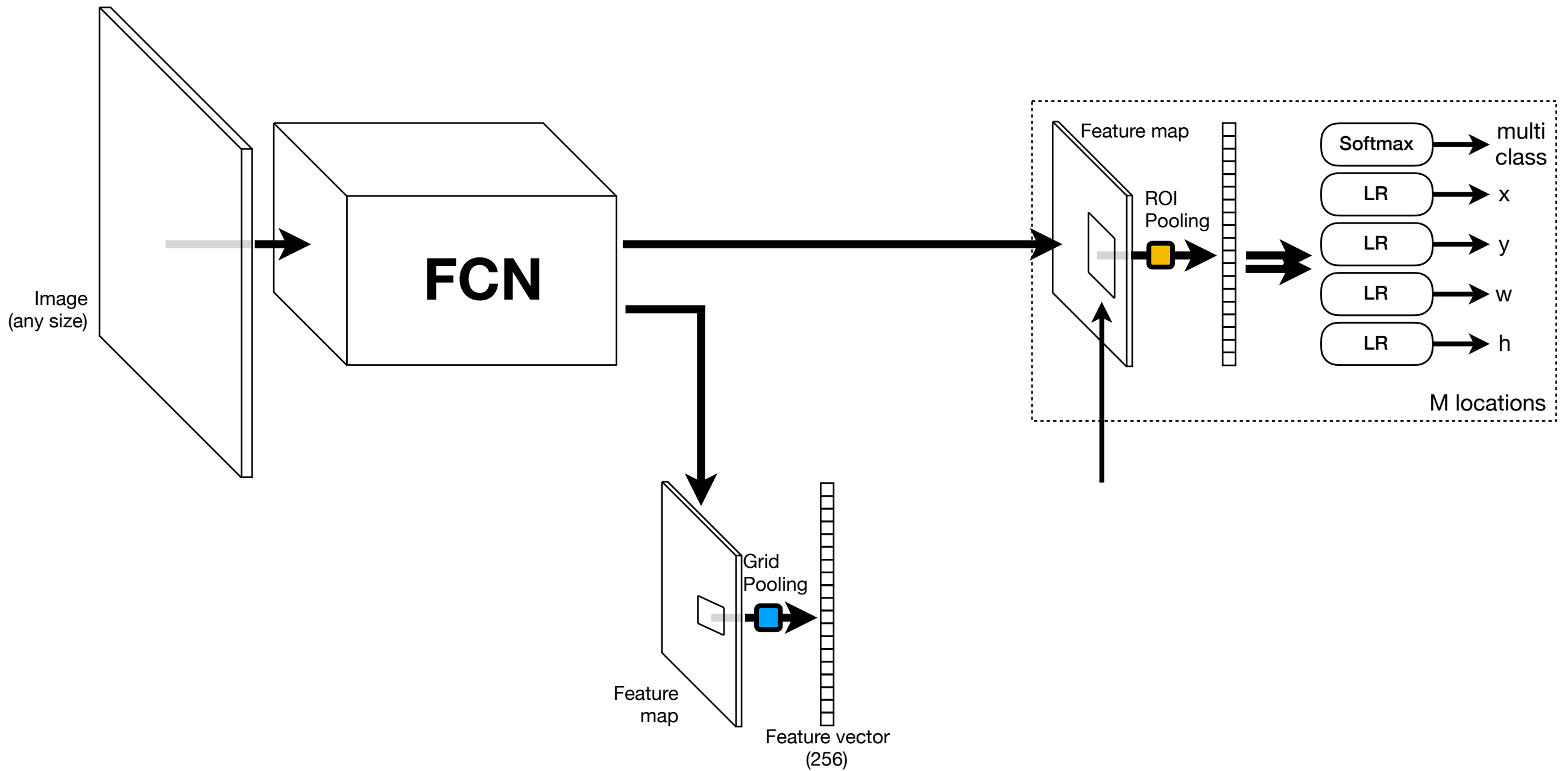
Faster RCNN



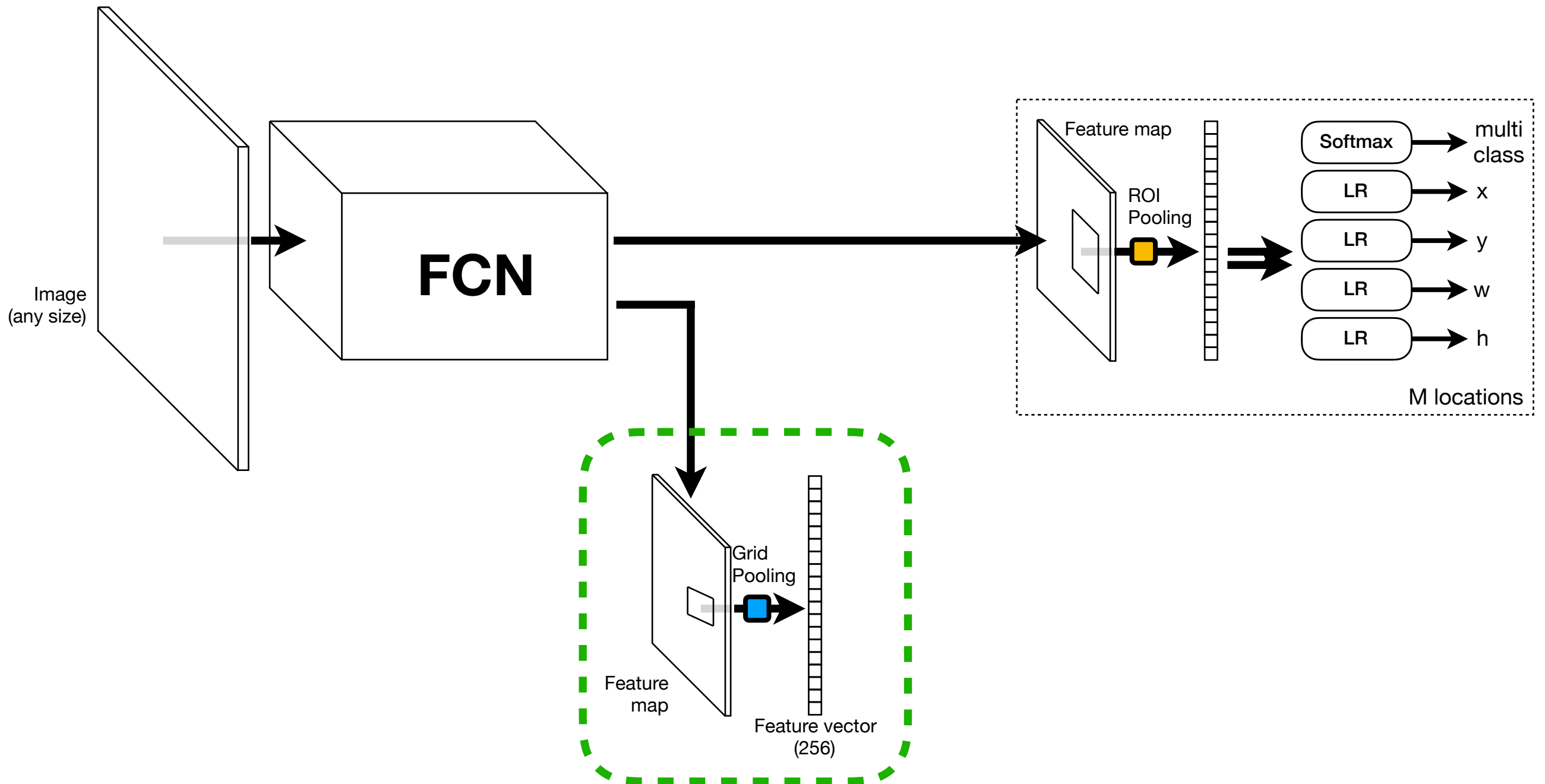
Faster RCNN



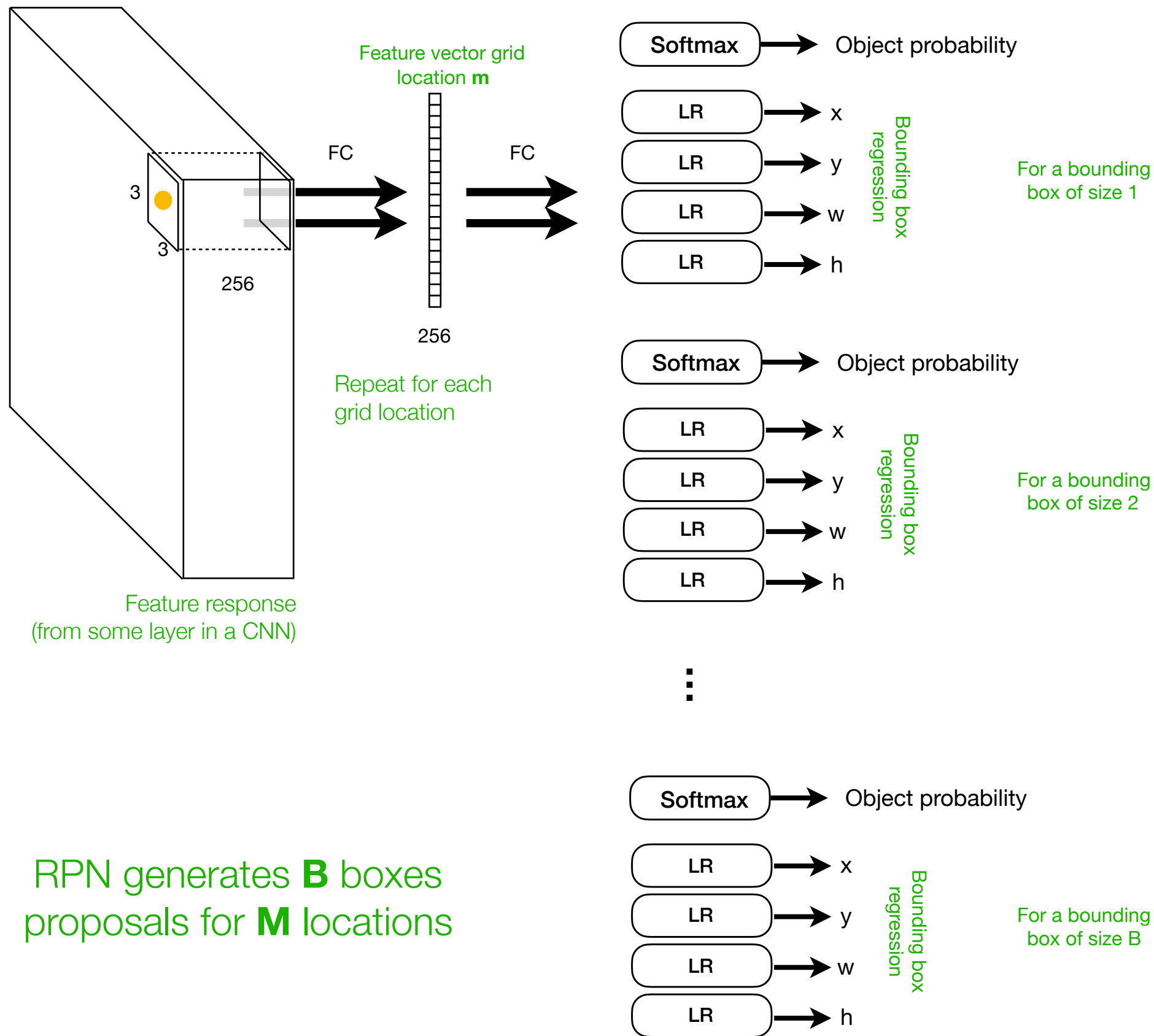
Faster RCNN



Faster RCNN



Region Proposal Network



Anchor box 1



Anchor box 2

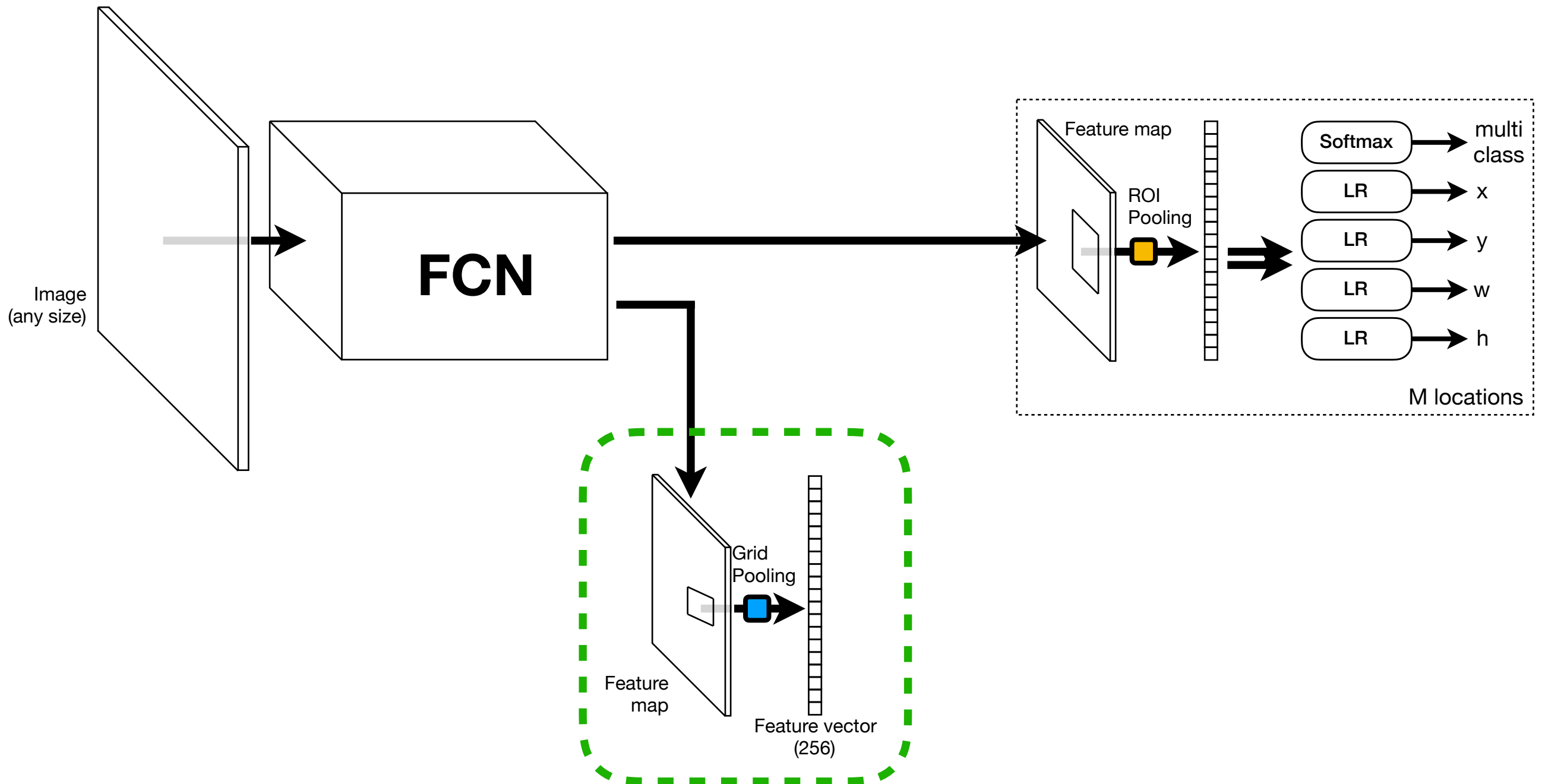


⋮

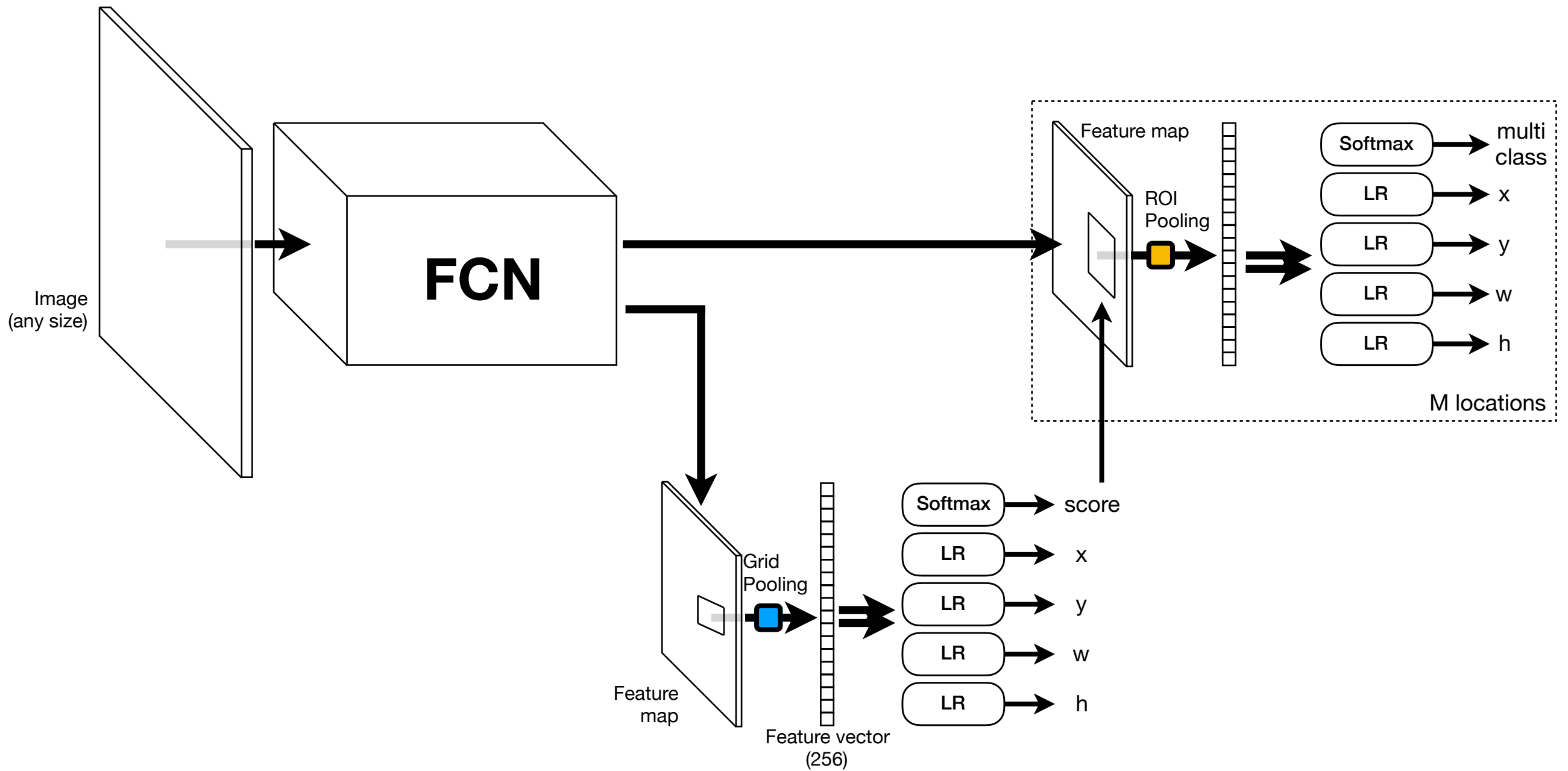
Anchor box B



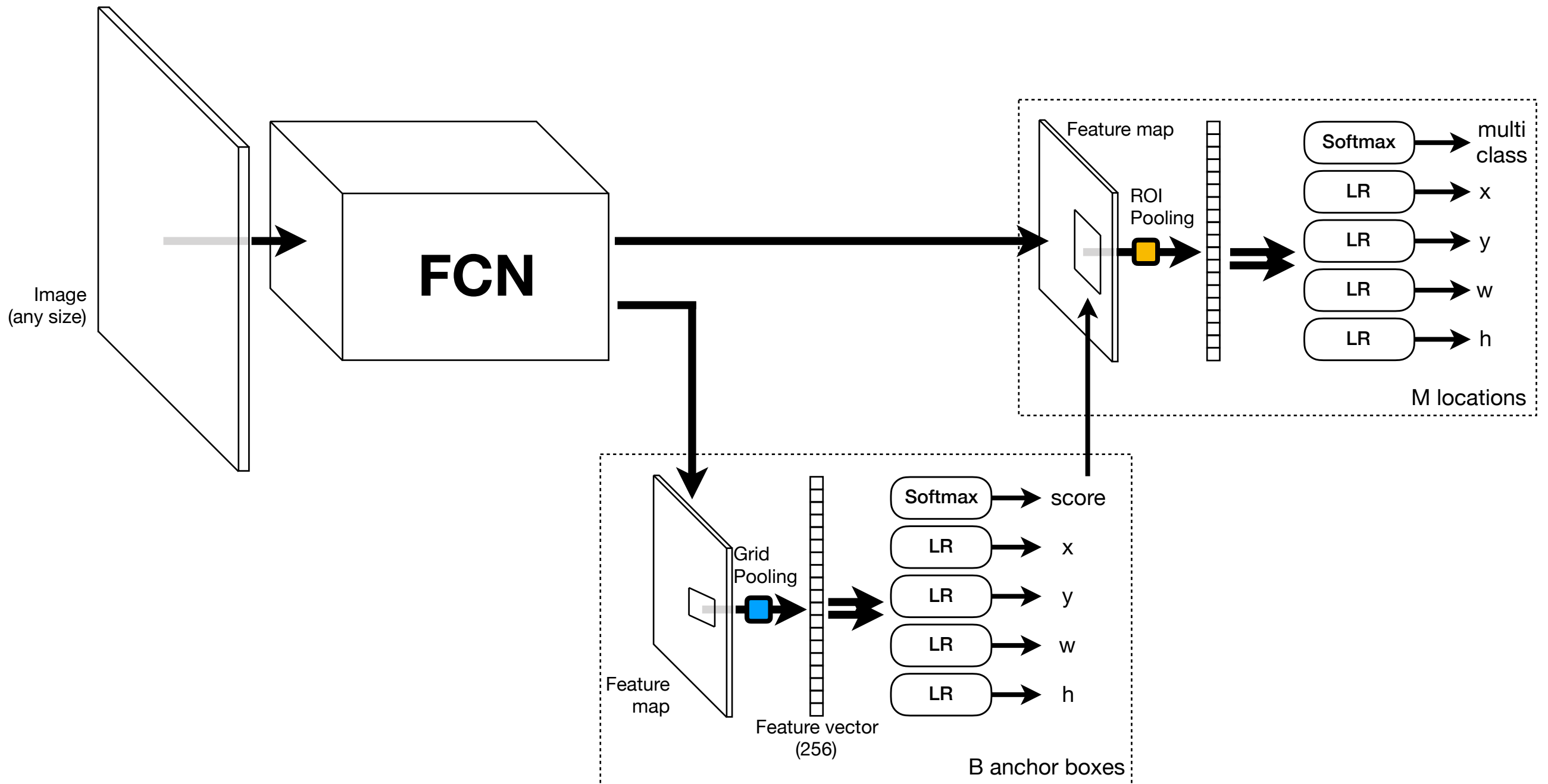
Faster RCNN



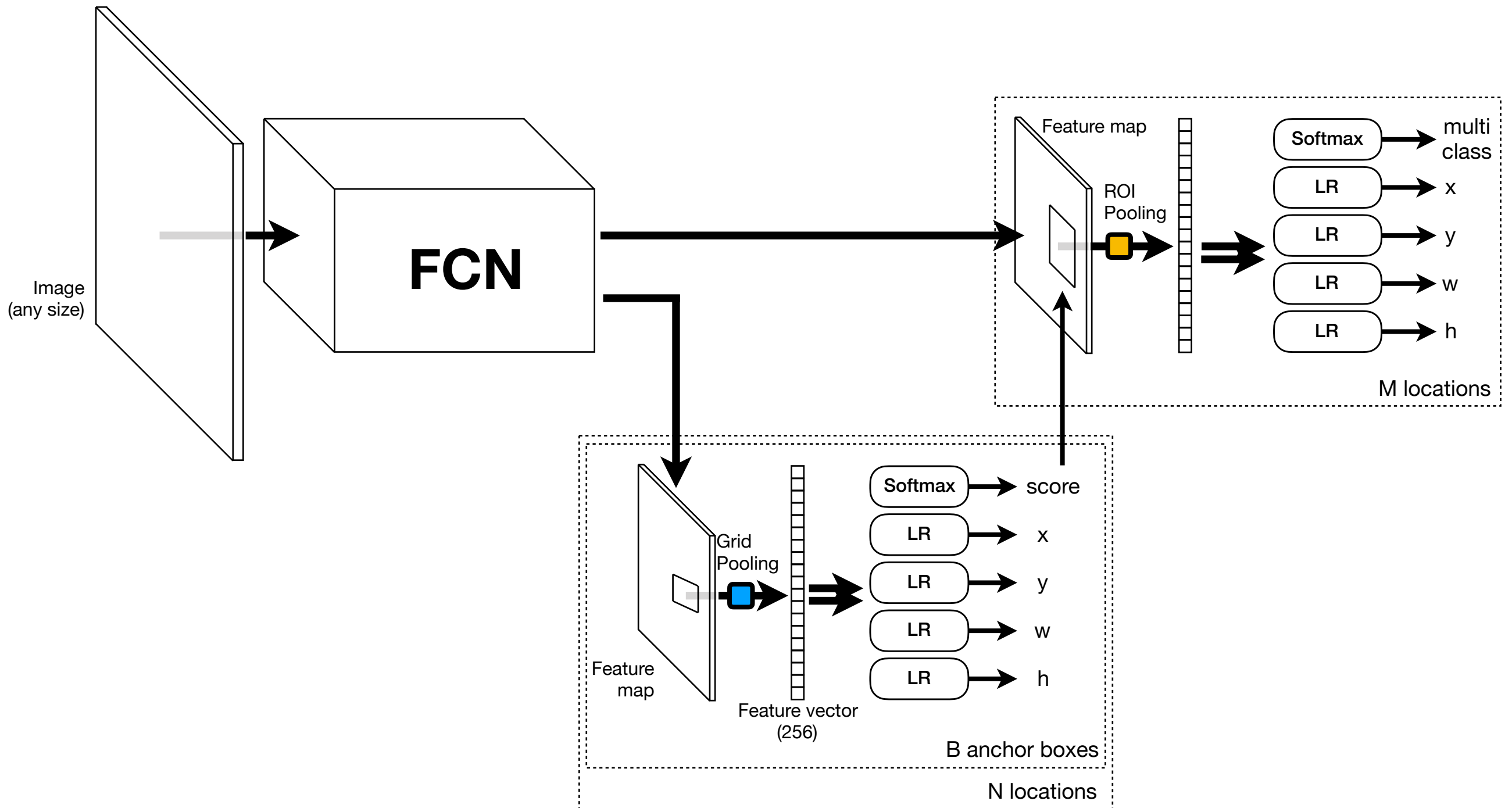
Faster RCNN



Faster RCNN



Faster RCNN

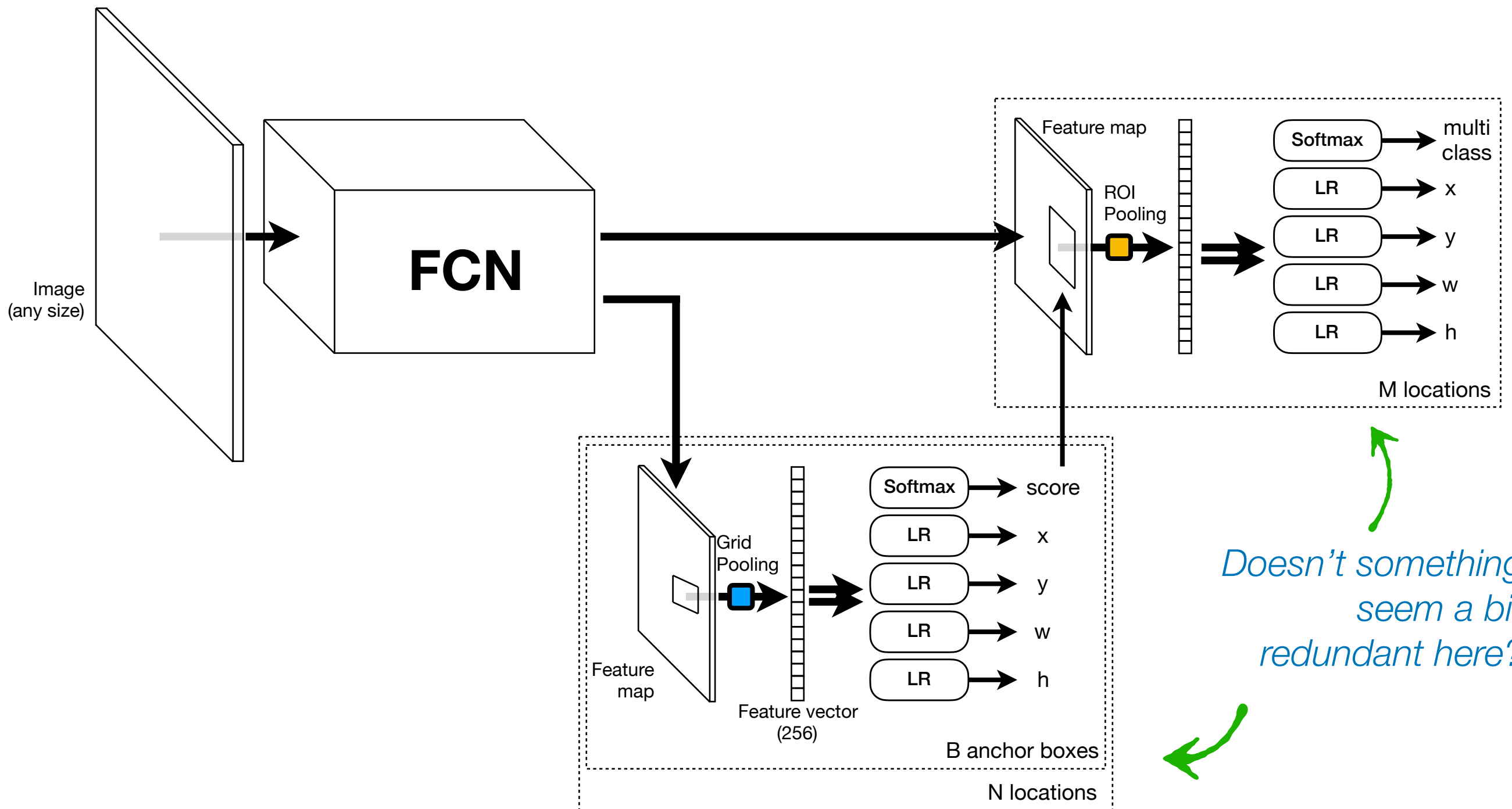


Complete.

Important Concepts

- **Region proposal network (RPN)**
- **Feature Reuse:**
Use deep features for both classification and bounding box proposals
- **Conversion to high-dimensional Regression problem:**
Convert bounding box proposal problem into a structured output regression problem

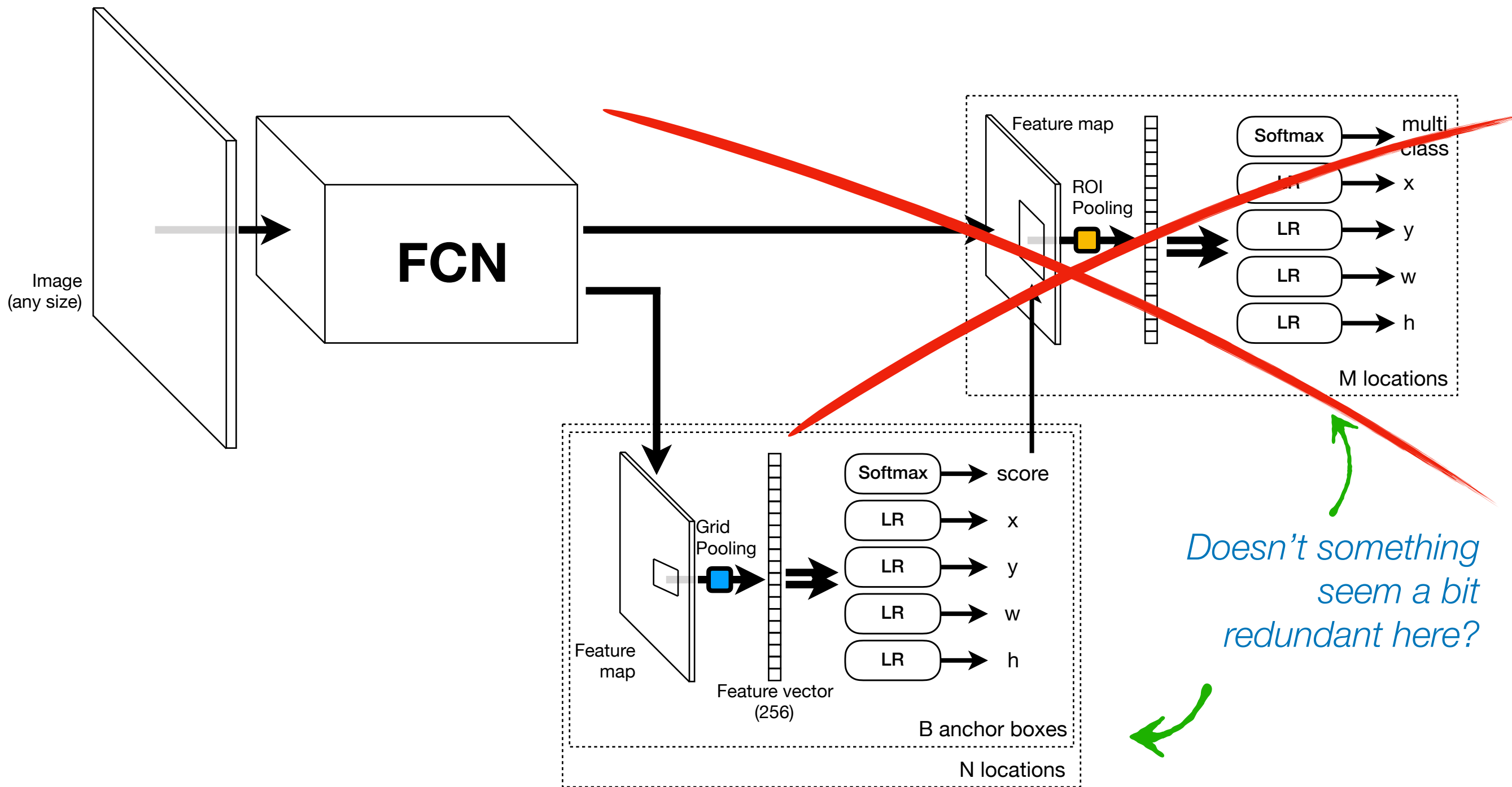
Faster RCNN



Doesn't something seem a bit redundant here?

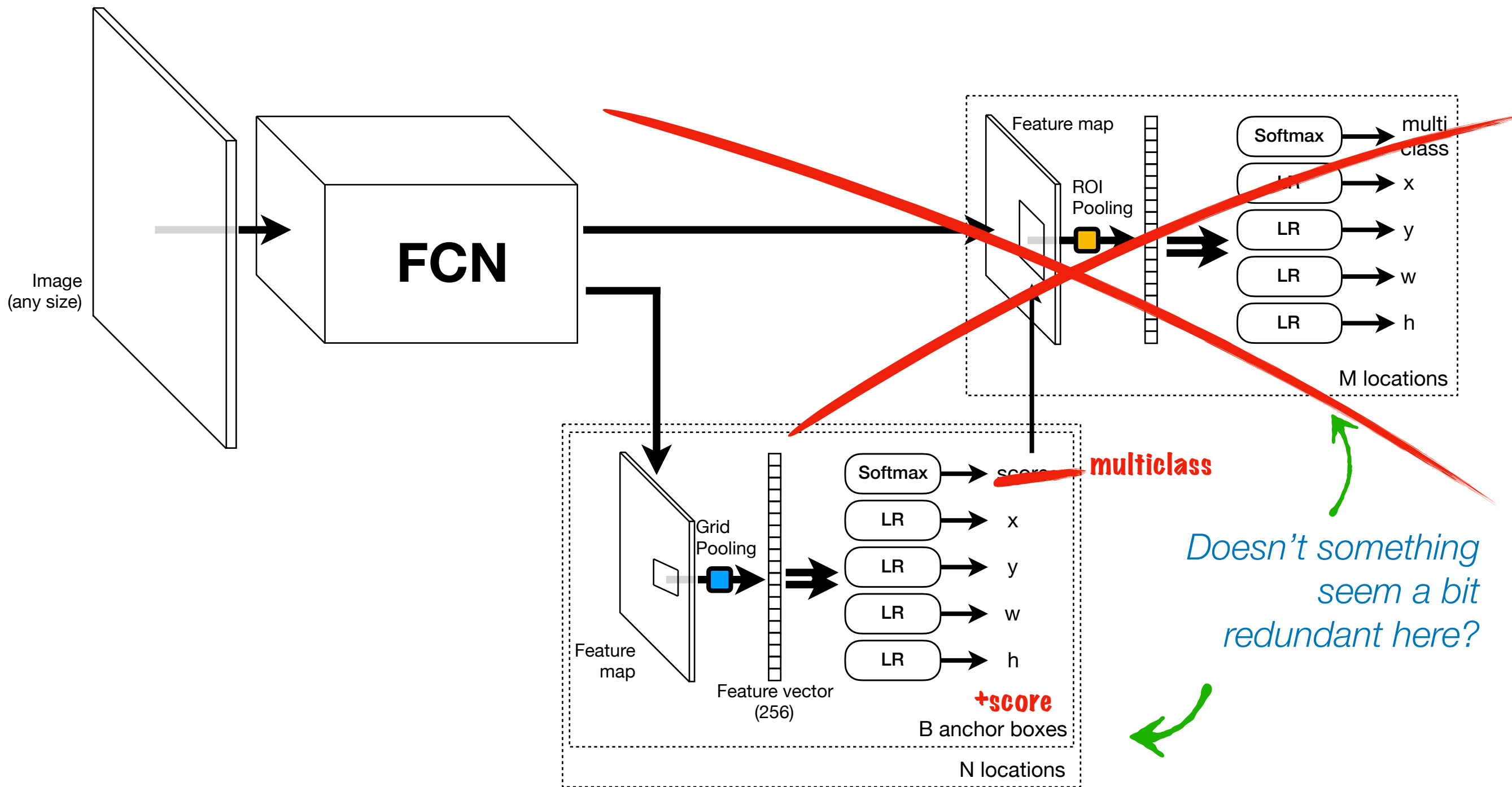
It's almost like we are computing the same thing twice.

Faster RCNN



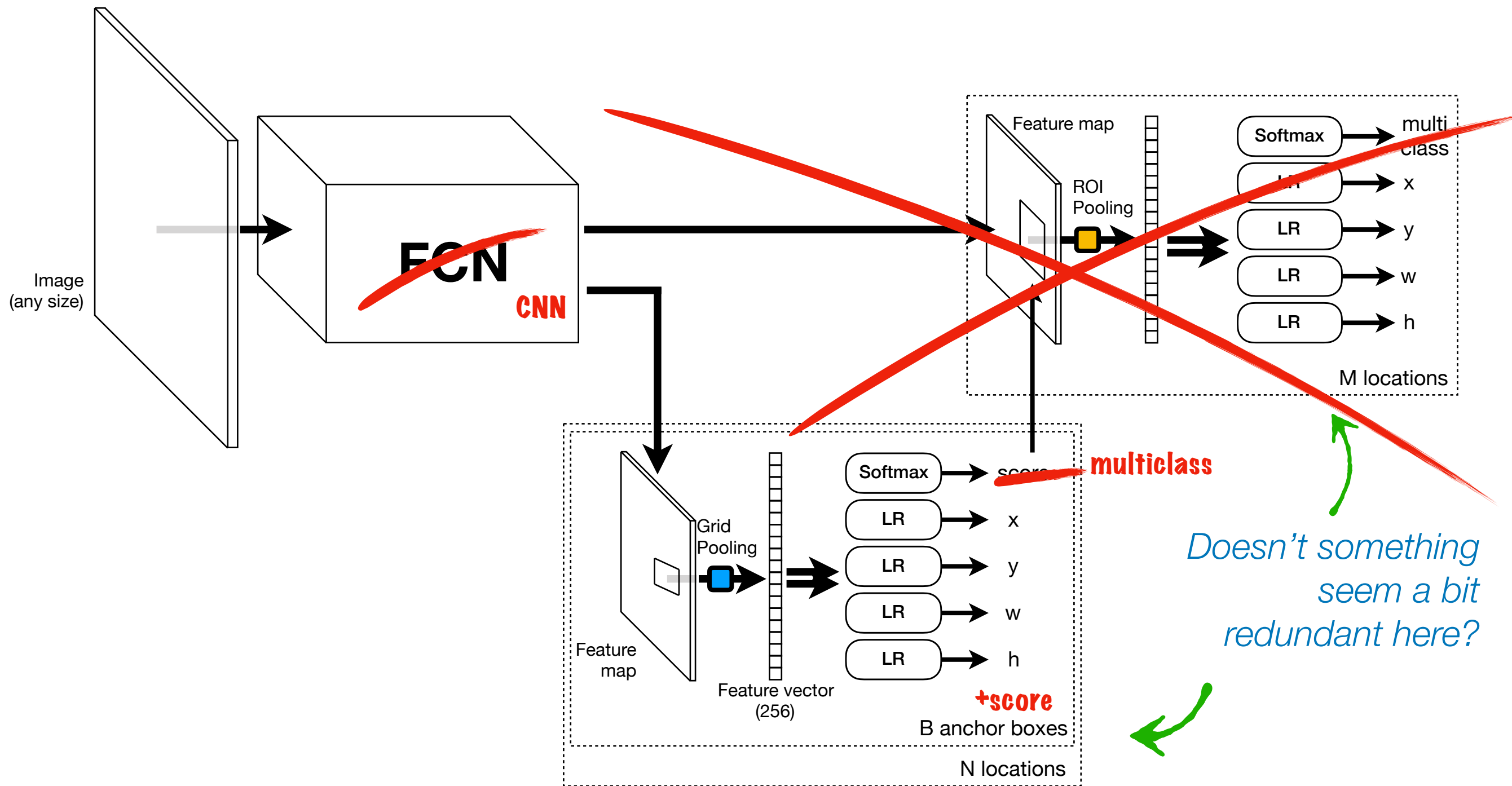
It's almost like we are computing the same thing twice.

Faster RCNN



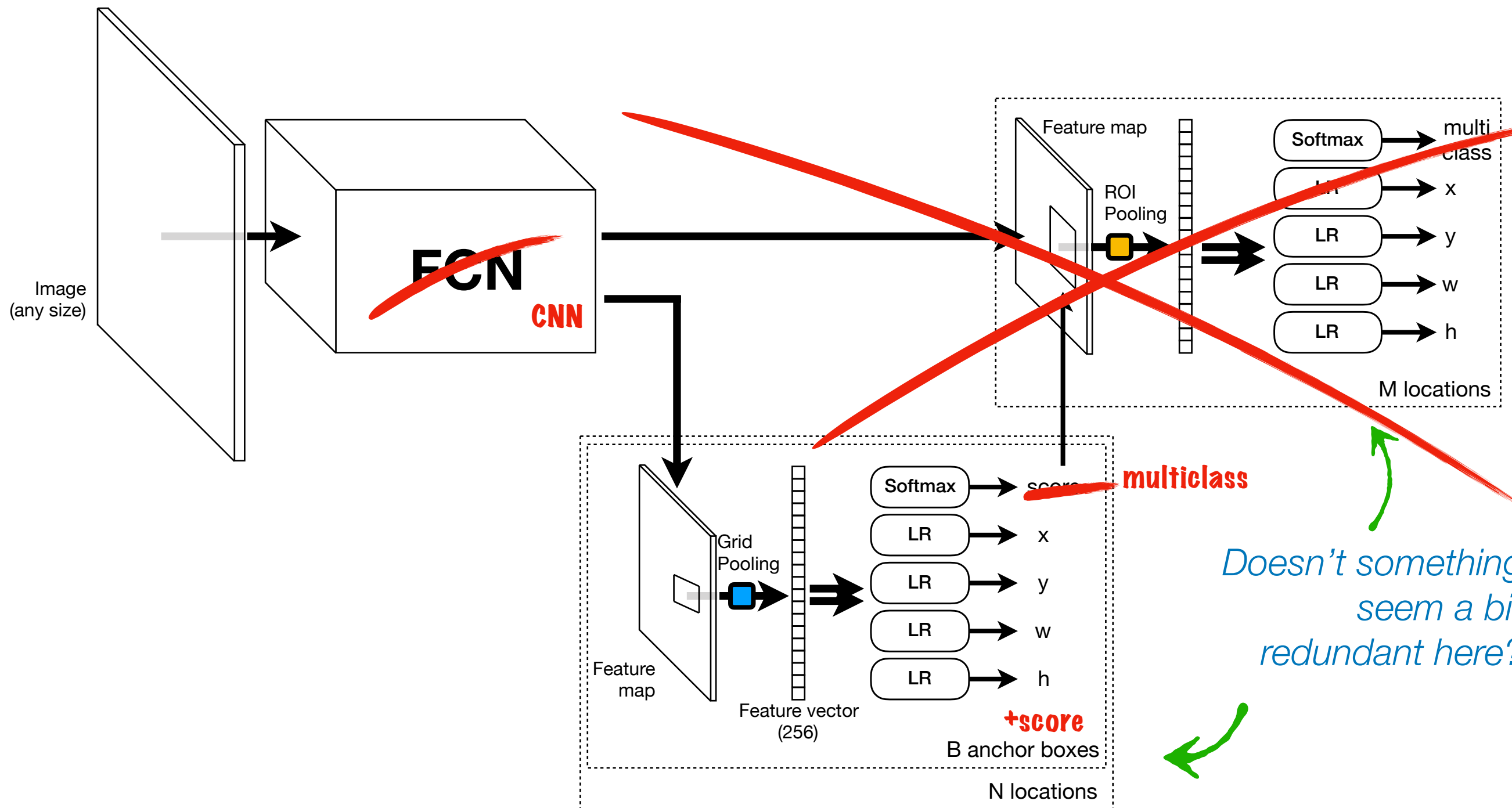
It's almost like we are computing the same thing twice.

Faster RCNN



It's almost like we are computing the same thing twice.

~~YOLO~~ ~~Faster RCNN~~



Doesn't something seem a bit redundant here?

It's almost like we are computing the same thing twice.