A. R-CNN	B. Fast-RCNN	C. Faster-RCNN	D. SSD	E. YOLO
1. Input image 2. Selective search algorithm => extract Rols 3. Resized Rols For each Rol 4. CNN => Compute feature vectors 5'. Bnd box regressor _{Cls=i}	5. Softmax 5'. Bnb box (Class regressor prediction)	2. CNN => Feature map 3. RPN => region proposals 4. Object- ness score NMS 5. Rol pooling layer => Resized Rols 6. Region based CNN 7. FCs 8. Softmax 8'. Bnd box regressor	1. Input image With a grid of size S x S 2. CNN 3. Conv 3'. Conv 4. Output layers object detection NMS 5. Selection of the best bnd boxes	1. Input image With a grid of size S x S 2. CNN => Feature map 3. Two fully connected layers 4. Output layers of size: S x S (B5+Nc) 5. NMS => Selection of the best bnd boxes