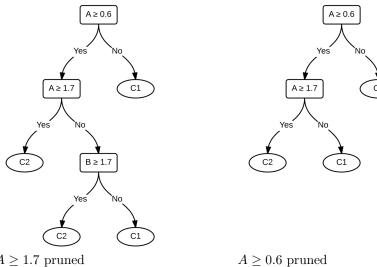
2. (a) The second and fifth members are correctly classified, while the first, third, and fourth fail. The test accuracy is  $\frac{2}{5} = 0.4$ .

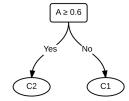
(b)	Node pruned	Classifier raplacement	Classification accuracy
	$A \ge 1.5$	C2	0.8
	$B \ge 1.7$	C1	0.4
	$A \ge 1.7$	C2	0.6
	$A \ge 0.6$	C1	0.6

 $A \ge 1.5$  pruned

 $B \geq 1.7$  pruned



 $A \ge 1.7$  pruned



(c) The last question node (which asks  $A \ge 1.5$ ?) should be pruned—the accuracy on the tune set with this pruning is 0.8.

