EECS 4313 - Software Testing
Homework 3 - Decision Tables

The decision table only has boolean values (true or false) and hence this is a limited entry table (LEDT). We have a lot of don't-care entries that help us simplify the table of 2^5 = 32 rules to a table with just 6 rule columns. For example, if C1 is false (animal doesn't have a backbone), then it doesn't matter what the rest of the values are, it will always lead to A1 (animal is an invertebrate).

Decision Table

	1 to 8	9 to 12	13, 14	15	16	17 to 32
C1 - Backbone	T	T	T	T	T	F
C2 - Adjust Temperature	T	F	F	F	F	-
C3 - Gills	-	T	F	F	F	-
C4 - Rough Skin	-	-	T	F	F	-
C5 - Live in Water	-	-	-	T	F	-
Rule Count	8	4	2	1	1	16
A1 - Invertibrate						X
A2 - Vertebrate : Warm blooded	X					
A3 - Vertebrate : Cold blooded : Fish		X				
A4 - Vertebrate : Cold blooded : Reptile			X			
A5 - Vertebrate : Cold blooded : Amphibians				X		
A6 - Unknown Animal					X	