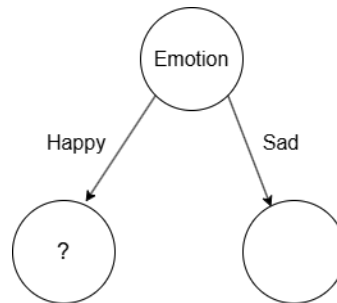


CSE422: Artificial Intelligence  
Quiz  
Fall 2024

Day	Result	Study	Exam	Emotion
1	Pass	Yes	Good	Happy
2	Fail	Yes	Good	Sad
3	Pass	Yes	Bad	Happy
4	Pass	Yes	Bad	Happy
5	Fail	No	Bad	Sad
6	Pass	No	Good	Happy
7	Fail	No	Good	Sad
8	Pass	No	Bad	Happy
9	Pass	Yes	Good	Sad
10	Fail	No	Bad	Sad
11	Fail	No	Good	Sad
12	Pass	Yes	Bad	Happy
13	Fail	No	Bad	Happy



-From the table given, assume you are to form a decision tree to classify 'Exam'. The feature 'Emotion' is in the root node which has two branches for the 'Happy' and 'Sad' attributes. Under the 'Happy' attribute, between the features 'Study' and 'Result', which one would you pick?