CSE422: Artificial Intelligence
Quiz
Fall 2024

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

-Form a joint distribution table from the table given above using the columns ‘Result’, ‘Study’, and ‘Emotion’.
-If you introduce another boolean random variable in the above table, how many joint distribution elements would there be?
-Calculate P(Pass and Yes | Sad)