Homework 6
Due May 27 2021

1. Calculate the constraint ratio of the elements shown in Figure 1 and make comments.
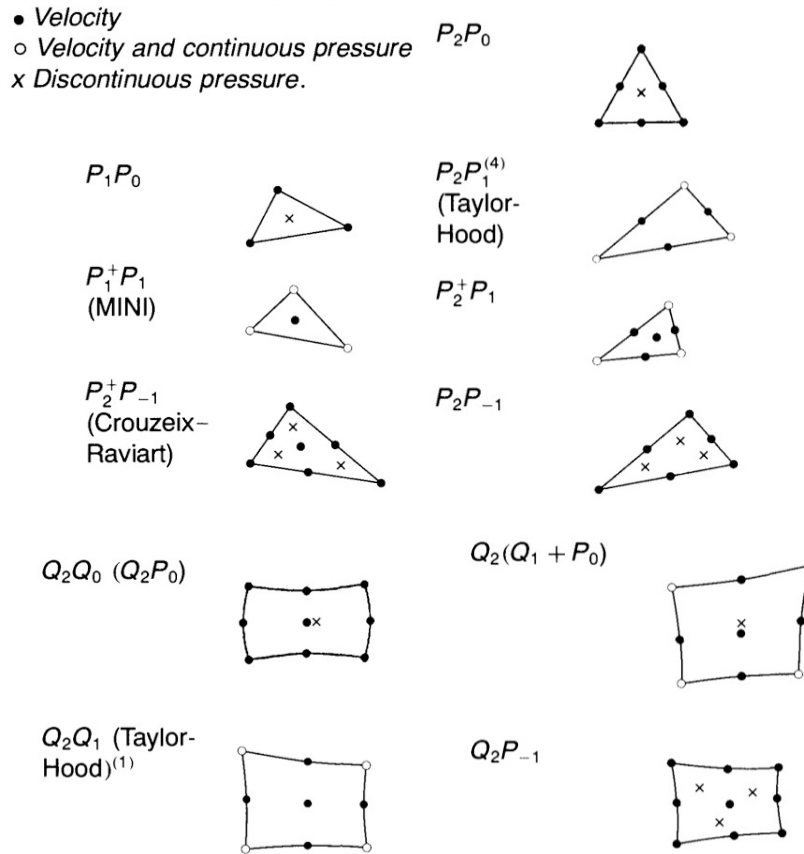

Figure 1: A list of 2D mixed elements

2. Hughes FEM book, page 428, exercise 3.

3. Hughes FEM book, page 428, exercise 4.

4. Hughes FEM book, page 473, exercise 2.

5. Hughes FEM book, page 498, exercise 4.

6. Hughes FEM book, page 501, exercise 5.

7. Hughes FEM book, page 502, exercise 7.

8. Hughes FEM book, page 542, exercise 16. Submit your code as well.