**NAME: Owen Burke**

**STUDENT NUMBER: 15316452**

**Please indicate your answers by entering the option ( (i), (ii), (iii) or (iv) ) where asked.**

**You should append the completed document as a pdf with your typewritten worked solutions including MATLAB code) and upload to Blackboard by Friday 22nd of March 2019.**

**Q 4.23**



L =

1.5000 0 0 0

-2.0000 1.0000 0 0

0.5000 1.0000 1.5000 0

-2.0000 3.5000 -0.5000 1.0000

U =

4.0000 -1.0000 3.0000 2.0000

0 -1.0000 3.0000 0.5000

0 0 2.0000 1.0000

0 0 0 3.0000

(ii)  
  
  
L =

1.0000 0 0 0

-2.0000 1.0000 0 0

0.5000 1.5000 1.0000 0

-2.0000 3.0000 -0.5000 1.0000

U =

4.0000 -1.0000 3.0000 2.0000

0 -2.0000 3.0000 0.5000

0 0 4.0000 2.0000

0 0 0 3.0000

(iii)  
  
L =

1.5000 0 0 0

-2.0000 1.0000 0 0

0.5000 1.0000 1.0000 0

-2.0000 2.0000 -0.5000 1.0000

U =

3.0000 -1.5000 3.0000 2.0000

0 -2.0000 3.0000 0.5000

0 0 4.0000 2.5000

0 0 0 1.0000

(iv)  
  
L =

1.5000 0 0 0

-2.0000 1.5000 0 0

0.5000 1.5000 1.5000 0

-2.0000 3.0000 -0.5000 1.5000

U =

4.0000 -1.0000 3.0000 2.0000

0 -2.0000 3.0000 0.5000

0 0 4.0000 2.0000

0 0 0 2.0000

**Your Answer ((i) – (iv)): (ii)**

**Q 5.17**

You need only to indicate the best team and the worst team (from teams 1 to 6).

**Your Answers: Best : X2 and X5 (joint) Worst : X1**

**Q 6.3**

**Your Answer ((i)-(iv)): This was removed from the assignment (see email)**