

Quiz 2 Rubrics (10 points each, 50 points max, 60 points in total)

Q1 (10 points)

easy to get 10 marks if you use the method of induction properly.

Q2 (10 points)

$$T(n) = 8^{(\log_2 n)} \cdot T(1) - (n-1)n^2 \quad 5p$$

$$8^{(\log_2 n)} \quad 2p$$

$$T(1) = 1 \quad 1p$$

$$T(n) = n^2 \quad 2p$$

Q3 (10 points)

Full credit will be given for appropriate conditional assumptions and proofs.

Two points will be deducted for missing assumption conditions,

and two points will be deducted for assuming without showing the calculation process.

Q4 (10 points)

Give characteristic equation and give the value of r : +5

Give the final answer: +5

Q5 (10 points)

Scored at the discretion of the evaluator.

Contact

If you have any questions, contact corresponding TAs:

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Q4-5 12331240 潘凯歌