

CENG 223—Discrete Computational Structures

FINAL

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25 minutes

Q-2) {20 points} Solve the recurrence relation $a_n = a_{n-2} + 2n - 3$ $n \geq 2$ with initial conditions $a_0 = 0, a_1 = 0$ using *generating functions*. No credit will be given if you attempt to solve it with some other method.