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(From Simulation By Sheldon M. Ross) (a) If  $Z$  Is A Unit Normal Random Variable, Design A Study Using Antithetic Variables To Estimate  $\mu := E[Z^3e^Z]$ . (b) Using The Above, Do The Simulation To Obtain An Interval Of Length No Greater Than 0.1 That You Can Be 50% Sure Contains  $\mu$  May 3th, 2024

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Flow Chart Of Simulation Funded By All Solid Cells Start With  $N$  Particles. A New Cell Is Added When The Number Of Particles In Cell Reaches More Than Upper Limit (e.g.,  $2N$ ). A Cell Is

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