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optimal control problem 3 key ingredients mathematical description of the system to be controlled specification of a performance criterion specification of constraints

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addressing control issues in therapy involves unraveling the source of the need for control the client and therapist work together to address the underlying fear emotions or anxiety and

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optimal control the shooting method definition state and control variables are connected by an ode x t f x t q 0 t t f x ti g x0 q let x t be the solution for a given set of control variables q then define s q x t t

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we now introduce a general and powerful algorithm namely dynamic programming dp for solving the optimal control problem 1 1 the dp algorithm builds upon a quite simple intuition called the bellman principle of optimality

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