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(b) The numerical solution can be implemented as  $(0) \quad 2 \quad 19.62 \quad 68.1 \quad 12.5 \quad (2) \quad 0 \quad 9.81 \quad | = \quad ] \quad ] \quad | \quad [ \quad [ \quad v = + - (19.62) \quad 2 \quad 6.2087 \quad 68.1 \quad 12.5 \quad (4) \quad 19.62 \quad 9.81 \quad | = \quad ] \quad ] \quad | \quad [ \quad [ \quad v = + -$  The computation can be continued and the results summarized and plotted as:  $t \quad v \quad dv/dt \quad 0 \quad 0 \quad 9.81 \quad 2 \quad 19.6200 \quad 6.2087 \quad 4 \quad 32.0374 \quad 3.9294 \quad 6 \quad 39.8962 \quad 2.4869 \quad 8 \quad 44.8700 \quad 1.5739$

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