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Operators: are to turbicas as furctions are to numbers
Examples
   11)4 = 14d
    D copplied to S
   If = f (identify)
   f d Califor I c
operators can be added and multiplied by numbers andler knotices
   +D+4I. Jan -> +Fa+4Fax
abstitution pe campaies
   Do (secong gain obserpor)
  D_3 \cdot D \cdot D
   D3 = D(D1) = D(f') = f"
General linear ODE, ander n For y=y(4)
   1(n) + p(+) 1(n-1) + ... + pn(+) - 9(4)
with constant coeff:
   1(n)+a,1(n-1)+...+an+-q(1)
   p(0) = q(1), D = \frac{d}{dt}, p(0) = D_u + c' \cdot D_{u-1} + \cdots + c'' (ballucinies gillegaties absorbe at any and arell.)
Dilteration Operator Rules
sum rule [p(0)+q(0)]u = p(0)u+q(0)u
              pco)(c,1+c,g) = c,pco)+ + c = pco)g
linearily rule
                Also, this hore out remains no methor had mort times are apply DO)
multiplication rule p(0) = g(0) h(0) = p(0) u = g(0) (h(0) u)
substitution of bolest belest
exponential-shift rule let u=u(+). p(0)e+u = e+p(0+a)u
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