allowed for a Std. (IV) FORMA TION Of a D.E. (Bole toh Differentiate) A) No dydx in fractions radicals, fractions and is a polynomial It is the Inghest power of the highest expressed as a D.E. which is free your Denivative is only No. of arbitrary Order of the highest derivative Involved in the D.E. Jac. & constants in the > Designatives of dependent variables order derivatue, after 9+ has been equation An equation that Envolves > Independent vorlable Degree 1s Not DEFINED > Dependent variable (III) DEGREE Of a D.E. (II) ORDER Of a D.E. we differentiate follow (O or (2) of derivatives. If it falls to (I) DEFINITION No. of times DIFFERENTIAL EQUATIONS (D.E) App + 1 - xpox obtained by giving [fan) dx = [quy dy Integrate! particular values A solm. which is g(x,y) in the fine f &g EACH SEVERY TERM to the arbitrary PARTICULAR SOLN. (All terms are same/unition) - VAR'ABLE SEPARABLE FORM 1) D.E. In which variables can be (I) SOLUTION OF A D.E. (TYPES) (Noam meen he kaoun hali! Put x=vy Constants. (II) METHODS OF SOLVING easily separated. (Bole to Integrate 2) HOMOGENDUS DE アイナイー部合 (R/x) = 10x/R) A solution which contains ARBITRARY GENERAL SOLN. Put 4=1x CONSTANTS

DERPVATIVE WALI EQN.

FOllow *

Prepared

H gra

DIFFERENTIAL EQUATIONS (D.E.)

Constant

KDS the Gya!!

TRICK TO I DENTIFFY + METHOD OF SOLVING 1813

Convert Die Ponto du =

ASK_ Homogeneous LDE

(F) Follow the method of solving

(needs Bernoulle or [5] Exceptional case

Jhe CAFE APPROACH SI Subshtution

(5) EXACT D.E.

(without any mulle", elimination) de nextly by differentiation. A D.E. which can be sourced

O=xpお+xpな の の一(ガル)か しまなか