	$11(9(RO)^{1}) \rightarrow 0$
Ansver	Given: $\dot{x}=Ax+g(x)$, $\dot{x}(0)=\dot{x}_0\in\mathbb{R}^n$
	when IIXII >0
	we can say, 11xoll is sufficiently small.
	Apply laplace transformation on x = A(x) +9 00
	$N(0) = X_0$
	s. N(S) - SOXO) = AX(S) +9(S)
	S(x(s)) = X0=Ax(s) +9(s)
	S(X(S)) = AX(S)+g(S)+XO
	X(S) = g(S) + XO
	S-A
	laplace transformation is as follows: F(s) = pe f(t) e-st. t1
	F(S) = 1 + (t) e 31. +1
	(5-) complex number
	(t) real number >0
	t' > first derivative of fill
	$L'(F(s-a)) = q^{at}f(t)$
	By Caplage transform.
	-: By Caplace transform: XIt) = Xo · e-Atte-At
	where t > F
	X(t)→0 Hence Solvea!
	Henle Solvea!
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