





2	House	eneaus	condition	(mear	us it's to)
(3)	Non-he	moglies	us condi	tion (med	zus it's not
Obse	natious;	15 H. O.A.	lineau	r u,, uz	sols es (1)
	Df(c, u	(+ c2U2)	= C ₁ D ₂	$ \begin{array}{ccc} & u_1, u_2 \\ & u_2 & solu \\ & u_1 + c_2 & \partial_+ \\ & \partial_X u_1 + c_2 \end{array} $	u ₂
			= c, k = (c)	$\frac{\partial}{\partial x}u_1 + c_2$ $\frac{\partial}{\partial x}(c_1u_1)$	(2) \ (2)
		C1, C2 (const.	$\frac{\partial_{\chi} u_{1} + c_{2}}{\partial_{\chi}^{2}(c_{1}u_{1})}$	-))
				satisfy does.	
	(3)	not	linear:	U(x, 0))= f(x)
			(24 + 24	(X,D) =	
Stra	tegy:	find!	building		
	U	10, 2	12, 2/2, -	(int	h many)
	2	dui =	k ax uj	j=1,2, = = 0, j=	
		(U; (0,+)	= u; (L,+)	= 0 , $j=$	1, 2,

		U	Urite	influ	ri te	suu	u :					
			N(x	(H) =	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	2 0	uj	(x/-				
					sho	suld	Sei	كالم	24	CC),(2	
*	rrau	ge	cj u(k	;	2	20 2 Cj	u(×, 5)	1 = 4	f(x).		
lf a	g Soli	pleca, s	ewise	suoc	sth,	કારા	۸	۵ul	rerg	us.	1-0	
Pr	epa	va hic	<u> </u>									
0	PE:		×	cher "+ a>	< ' + L	ox = 0	,			C		
	<u>ئا ج</u>		1, V ₂	r² + a real A e	, di	stinc	t vzt			, ^=	"1)	'2
	-) -)	d r	1= r	A A S±iw	erit	+ R	te	, v, t	(w +)	480	st, 2 Si	n(wt)
£;	S.	cije: ×"+ ×(0)	ν: - ×(>0 = 0 U =0			λ .	Cou	st.			

3	Co	res:								
		= 0								
		= - &		47						
		= d'	7	α >	\mathcal{O}	0 (4		- 1	المالية
0?	2	there	2 0	my s	6015	of .		not	ر ط	ntically
0.										
I		λ=	S	×	"= (
				⇒ ×			34			
						0 3				
				X (.レ)=	-0 =>	B	_=0		
T T		(_	2					b-	ec. L	0,
IL		\z-	× (1	$-\alpha^2$	(=(Y 2	-2	= ()	
								± ×		
					X	+) =	A-e"	(+ +	B-e-	_at
										e-4L_0
					X (1	1=0	3	Aex	- A	e =0
							^	aL	A- 2	-«L
							Ut .	exL=	= ME	
							ر-	A =	ට	
								A = B = 0		