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					S;:		<b>⊿</b> {	, ( <sup>χ</sup>	i <i>)</i>	ے	- s	teep dix	est ecti	des	رصر	<del>4</del>
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				Ma	rimi	70		$\Sigma$	-)	Mini	iui Z	e.	-d			/
	Sı	<i>L</i> bje	ct ,	to	$s^{\tau}$	73	(Xi	) +	0;	X	<b>≲</b> c		j =	1,2,		P
				7	์ รู้ -	71	+	X	<u> </u>	>		ュ	ن ک ' سا	1, 32	i	
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	•	ĩ)k	√ <del>*</del>	· >	d* ε₁	<u> </u>	ao t	<b>5</b> S	^ t⊷	= ; 5	) c /	aki	<b>უ</b>	è =	s ′	
		- U	•		1	, (	י ע		<b>~</b> {		O.		Ţ,	•	~	

5.	$\chi_{i+1} = \chi_i + \chi_i \leq i$
	L'optimal step leight and 5 se
	How to find definal Steplength?
6- EV	Juste f (×ixi)
7. Test	for convergence
	f(xi) - f(xi+1)   \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	$f(\chi \tilde{\epsilon})$
	rivate aptace X = Xix, otherwise
8	to Step 8.  t i = i+1 y repeat from Step 2.
8.	t i = i+1 m supert from Step 2.
The iss	ues to be addressed to suplement the
	algorithm.
i) find	au appropriate usable Jeasible direction.
, . S	
2) find	a suitable step buyth along S
Direction-	ficiding moblen:
IH	Xi lies in the interior of the feasible
Negia	
	$\mathbf{S} \mathbf{c} = -\nabla \mathbf{f}(\mathbf{X} \mathbf{c})$
If g	one of the (Xi) = 0
	ag: generate roudon diretions co check
	if they satisty AZCOB

In general, one can have several directions that satisby @ 400. (33) However we would like to choose the best direction among these qualified condidates Given a Print Xi, find the vector S 4 a Scalar d, that maximizes d subject 6 linear in 8;  $4d \Rightarrow S^T \nabla 9$ ;  $(X_i) + (D_j d) \leq 0$   $i \in J$ linear in 8;  $4d \Rightarrow S^T \nabla 9$ ;  $(X_i) + (X_i) + (X_i) \leq 0$   $S^T \nabla 9$ ;  $(X_i) + (X_i) \leq 0$   $S^T \nabla 9$ ;  $(X_i) + (X_i) \leq 0$   $S^T \nabla 9$ ;  $(X_i) + (X_i) \leq 0$   $S^T \nabla 9$ ;  $(X_i) + (X_i) \leq 0$   $S^T \nabla 9$ ;  $(X_i) + (X_i) \leq 0$   $S^T \nabla 9$ ;  $(X_i) + (X_i) \leq 0$   $S^T \nabla 9$ ;  $(X_i) + (X_i) \leq 0$   $S^T \nabla 9$ ;  $(X_i) + (X_i) \leq 0$   $S^T \nabla 9$ ;  $(X_i) + (X_i) \leq 0$  $s^{T} \nabla f(\underline{x}i) \leq 1$ Of is an arbitrary to contacter 0;=1 (Simplicity The maximum value of & gives the best S that makes STVf(xi) regative & STV9;(xi) as negative as possible simultaneagly. Minimize – L 5.t. 8 331 + 82 331 + ... + 8 391 + 0, x < 0 8, 392 + 82 392 + · · · + 8n 372 + 02d & 0



