## Spoken Tutorial, IIT Bombay

https://spoken-tutorial.org
Scilab - FOSSEE Optimisation Toolbox
Linear Programming using fot_linprog function- Assignment

Solve the same example that we executed

$$
\min _{x}-x_{1}-0.33 x_{2}
$$

subjected to:

$$
\begin{aligned}
& x_{1}+x_{2} \leq 2 \\
&-0.25 x_{1}-x_{2} \leq 1 \\
&-x_{1}-x_{2} \leq-1 \\
&-x_{1}+x_{2} \leq 2 \\
& x_{1}+0.25 x_{2}=0.5 \\
&-1 \leq x_{1} \leq 1.5,-0.5 \leq x_{2} \leq 1.25 \\
& \text { with this additional constraint. }
\end{aligned}
$$

$$
x_{2}-3 x_{1} \leq 0
$$

