1-a). Vo= 起 初处an, l\* arhite Analytica 出级 和见.

$$V_0 - l^2 \times h = 8$$
.  
 $S(2h) = 2l^2 + 4l.h$ 

处设部规环.

$$S'(l) = 4l + \frac{32}{l^{2}} = 0.$$

$$8 = l^{3} \quad l > 0 \text{ ole3}.$$

$$... l = 2$$

$$h = \frac{8}{l^{2}} \cdot l^{2} + ... h = 2.$$

$$V_{0} = 8 \text{ 2}^{1} \text{ cm}.$$

$$l = 2, h = 2$$



S(l,h)= al2+4l.h. 是 部計知上. Formulation部也.

J= X1, 1= 1/22红部巴1

新於 mín f(x1,1/2) = axi2+4x1x2.

Sub. to h(x1, x2) = x2 x x2 - V0 =0

710\$172. \(\frac{1}{2}(\chi\_1) = -\chi\_1 < 0\)
\(\lambda\_1\hat{h>0} \cdot 0 \)
\(\frac{1}{2}(\chi\_1) = -\chi\_2 < 0\)