## napamethureuse hogfyrøgense nonsamin (na aprincipe naveren)

napamestur. noneraunt

(4)

harannoe om un - 4.
grune - lo

3c2 1->2: 1/3 lo (1-cos (0.) = 1/2 vo?

vo?= 28l. (1-cos (0.)

Lo -> 4

3 con4: 4, v. l=4, v, l, ~ = v. lo

 $3e = (3) \rightarrow (4)$ :  $y = (1 - \cos \varphi_1) = \frac{1}{2} y + v_1^2 = \frac{1}{2} y + v_2^2 \cdot (\frac{e_2}{e_1})^2$   $1 - \cos \varphi = \frac{v_2^2 \cdot e_2^2}{2g e_1^3} \qquad \sim 5 \quad \varphi_1 = \cdots$ 

gamene mole ongen.

364 5 -> 6: mg e. (1-cos (e,) = 1 m v.

4 2 2 2 = f 4 4 2 2 = 6 = 6