3 setups: no mass

$$d_3 \boxed{\begin{array}{c} 3 \\ 100 \\ 3 \end{array}}$$

mound on test day; di, dz, d

$$1c = -\frac{9^{[509]}}{d_2} = -\frac{9^{(1009)}}{d_3}$$

Follow = kd kwill be found in prior exp.

d is displant of ball during current

O of 5 pme = .25 in = .00635m

5. Follow =
$$(0 \frac{1}{2} pos u^2) A$$
 $p = 1.293 \frac{kg}{m^2}$

$$u = 50 \frac{m^2}{5}$$
2 Follow = .25 in = .05

$$fdrag = kd$$

$$(p = \frac{2kd}{Psous}A$$

k and d will both be detormal experimentally

6. For (unvertorward:

$$F_0 = .08 \text{ N} = \frac{2 \cdot .08 \text{ N}}{1.293 \text{ kg/m}^3 (50 \text{ m/s})^2 \cdot 3.167 \cdot 10^5 \text{ m}^2}$$

$$= 2.10$$