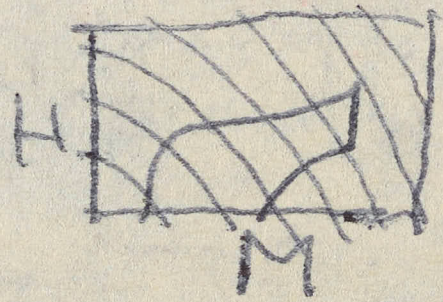


$$E_s = h + \frac{v^2}{2g} \Rightarrow \boxed{F \text{ or } R}$$



$$P_s = \left(\frac{T-D}{w} \right) v, \quad R = \frac{v^2}{2N}$$

$$\phi = \frac{SN}{v}, \quad N = \left(\frac{C_L}{wLS} \right) g$$

Rates of change within F or R

~~$$\frac{\partial}{\partial v} \left(\frac{\partial \phi}{\partial v} \right) = 0$$~~

$$\frac{\partial}{\partial v} [P_s E_s] = 0, \quad \frac{\partial}{\partial v} \left(\frac{\partial \phi}{\partial v} \right) < 0$$

$$\frac{\partial R}{\partial v} [P_s E_s] = 0, \quad \frac{\partial}{\partial v} \left(\frac{\partial R}{\partial v} \right) > 0$$

$$\frac{\partial N}{\partial v} [P_s E_s] = 0, \quad \frac{\partial}{\partial v} \left(\frac{\partial N}{\partial v} \right) < 0$$

Max/Min rates of change and regions within F or R where these Max/Min rates of change take place

$$E_s = h + \frac{v^2}{2s}$$

$$P_s = \left(\frac{1-\phi}{\omega} \right) v, \quad \dot{q} = \frac{8N}{v}$$

$$R = \frac{v^2}{2\omega}, \quad N = \left(\frac{C_L}{\omega s} \right) q$$

$$\frac{\partial P_s}{\partial v} \Big|_{P_s, E_s} = 0, \quad \frac{\partial \left(\frac{\partial E_s}{\partial v} \right)}{\partial v} \Big|_{P_s, E_s} < 0$$

$$\frac{\partial R}{\partial v} \Big|_{P_s, E_s} = 0, \quad \frac{\partial \left(\frac{\partial R}{\partial v} \right)}{\partial v} \Big|_{P_s, E_s} > 0$$

$$\frac{\partial N}{\partial v} \Big|_{P_s, E_s} = 0, \quad \frac{\partial \left(\frac{\partial N}{\partial v} \right)}{\partial v} \Big|_{P_s, E_s} < 0$$

• Titter

• Human body

• question? How do we serve, How can we make it difficult for others to serve?

• To address these questions we will look at the mechanism we ~~are~~ ~~are~~ we apply to make our survival, ^{however,} we will address this

Outline

- What is Strategy?
- ~~What are the key ideas that underly~~
- What is the aim or purpose of strategy?
- What are the key ideas that underly strategy?
- How do we exploit these underlying ideas?

JOT IT DOWN!

- The purpose of thinking: so we don't have to think -- ie implicit orientation, progressgefühl (De Bono)
- Must be able to ~~unlearn~~ ^{unlearn} in order to learn.
- Who are M-M-P beings or creature.

Hard work on ~~training~~ in brain
Psychology of Self-Deception

↓
Suggest importance of novelty
and conflict

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Novelty

B. H. LIDDELL HART -- "STRATEGY" -- 1967

His Orientation

- Personal Experiences with WWI trench warfare
- Study of Great Captains and their Campaigns
- Study of Great Theorists and their ideas

Strategic/Tactical Maxims

- Adjust your end to your means. It is folly to bite off more than you can chew...
- Keep your object always in mind, while adapting your plan to circumstances.
- Choose the line (or course) of least expectation.
- Exploit the line of least resistance.
- Take a line of operations which offers alternative objectives. ...thus put your opponent on the horns of a dilemma...
- Ensure that both plan and dispositions are... adaptable to circumstances. Your dispositions (formation) should be such as to allow... adaptation in the shortest possible time.
- Do not throw your weight into a stroke whilst your opponent...is well placed to parry or evade it.
- Do not renew an attack along the same line (or in the same form) after it has once failed.

AIM

Avoid a massive bloodbath and avoid widespread destruction, yet achieve victory, by adhering to the strength against weakness philosophy embodied in the above maxims.