D Inverter E

Esource = C YDD

@ capacitor

Echange = \frac{1}{2} e \no no

Edischarge = -1 2 2 2000

3 Activity factor

 $\alpha = \frac{F_{SW}}{F_{doch}}$

Power of inv switching

Parith = E

TSW

LL Algo

- 1) PPA Power Performance Aven 1) Physical Designs
 - (i) Partioning (create block)
 - (ii) flourghn: block place - 2's sum = 1's other
 - (ii) placement: gates

a) hlobal

b) Detailed

(IV) signed vording: vive 1) gold Detailed

O'Clock tree synthesis (TS — add deby to match gates)

(v) Timing closure: wait

(VIII) partioning terminalogy:

- node - gode - module bloch

Lees Argo

1 rowling region = whove route

- @ searnential routing some by one
- 3 concurrent routing sall 9 rule of thumbs no bend

Power formula prove

NOW /

F = PUX E = PUX

= 5 VDD V. CDV dt

Esource = CV Soldy

= CVV Nows

Now,

Fri Tow = Fry C VDD

= Fry C VDD

- AF C VDD

- AF C VDD 2 = for 3 For = OFFC