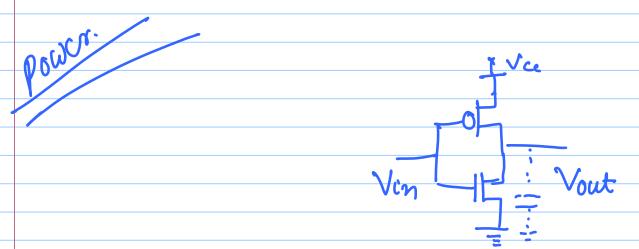
Hug 29 Note Title 29-08-2012 Perf = Programs
seconds. = Programs x # insts x # cycles
insts # cycles # seconds. IPC X (f) Sperf.

insts Equation



Amdahla
Law.

$$Speedup = \frac{1-p + \frac{p}{enh}}$$

p - fraction of the program sped up.

enh - enhancement

Parallel Programs:

main() {
$$for (int i=0; i<10; i+1)$$

$$for (int i=0; i<10; i+1)$$

$$A[i]=i;$$

$$Sequential a = 10+c; f = 0.9$$

$$f = 0.9$$

$$n \rightarrow \infty$$
 Speedup = $\frac{1}{1-p}$

