

Sep 1st.

Note Title

01-09-2012

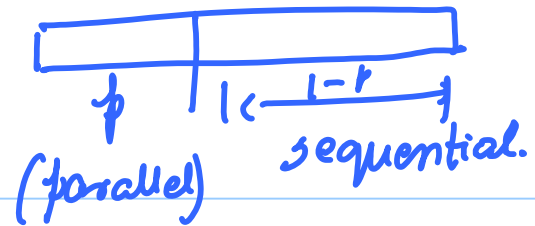
Amdahl's Law.

(10) I { for (i=0; i<10; i++)  
          A[i]=5;                    // parallel  
  portion

(3) II { a = b + c;  
          c = a + 2;  
          d = 2 \* c;                 // sequential

Seq: 13

Par: 1+3=4

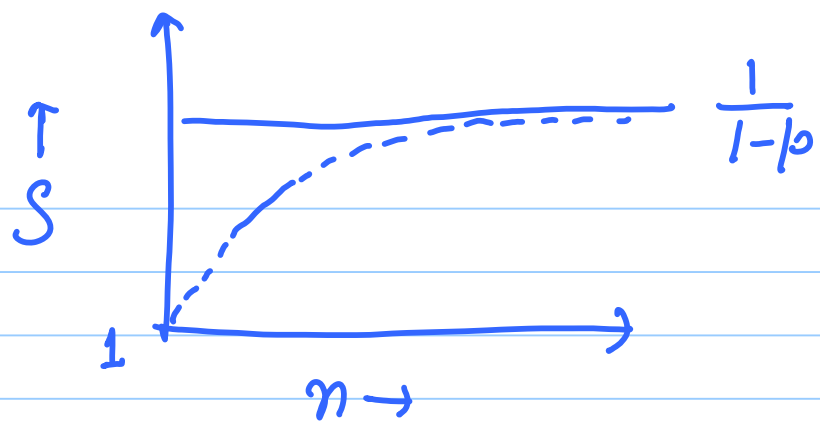


Relative Time:

$$\text{Seq: } p + 1 - p = 1$$

$$\text{Par: } 1 - p + p/n$$

$$\text{Speedup}_{\text{PAR}} = \frac{1}{1 - p + p/n}$$



3.

