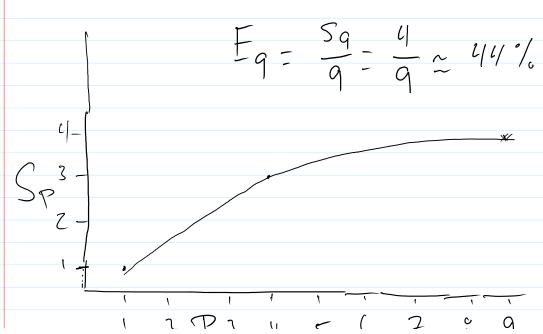
Scalability Examples

Wednesday, September 6, 2017 7:49 PM

$$T_{4} = 20 \text{ sec}$$
 $T_{9} = 15 \text{ sec}$
 $S_{9} = \frac{60 \text{ s}}{20 \text{ s}} = 3$ $S_{9} = \frac{60}{15} = 4 \text{ y}$
 $S_{4} = 3$

Efficiecy:
$$E_p = \frac{S_p}{P}$$

$$E_q = \frac{S_q}{1 - \frac{3}{4}} = 75\%$$



$$S_{h} = \frac{T_{s}}{T_{s}} + \frac{T_{p}}{T_{s}} \left(\frac{T_{1}}{T_{1}}\right)$$

$$= \frac{1}{f_{s}} + \frac{1}{(1-f_{s})}$$

$$S_{oo} \rightarrow \frac{1}{f_{s}}$$

Functional Profile

What percentage of time each function consumes.