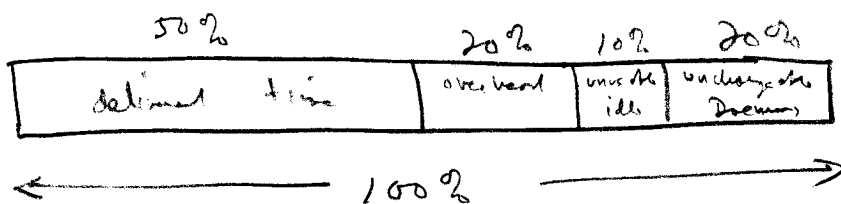


	Time		hr		
\$12/da	100%	S1	4.12 hr.	5048	\$1225/hr.
	80%	S2	1.83 hr.	1866	1019.7/hr.
S1 da	40%	S3	.05 hr.	25	
	66%	S4	.70 hr.	468	\$699/hr.
			<u>6.67</u>	<u>7407</u>	

		hr cost	
S1	⊙	\$1200/hr. × 350	\$420K
S2	⊙	960/hr. × 350	242K
S3	⊙	480/hr. × 250	105K
S4	⊙	800/hr. × <u>250</u>	<u>200K</u>
		1250 hr/mo	967K

assume 1 hr of delivered time ^{yearly} = 1 hr of unusable idle + overhead.

$$967/2 = \$484K$$



Disk Manager assume 50% backed up, 50% usable

Disk usage if 50% used @ .15 / sec
 50% bandwidth @ .60 / sec.

170k avail

85k req.

$$\begin{array}{r}
 \text{used} \quad 85000 \times .15 = 12750 \\
 85000 \times .60 = \underline{51000} \\
 \hline
 63750 \\
 484 = 6416
 \end{array}$$

$$\begin{array}{r}
 \text{total} \quad \frac{64}{548} \text{ k/wo.} \\
 \times \frac{12}{6576} \text{ k/yr.}
 \end{array}$$

$$\begin{array}{r}
 O_p \text{ cost} = 114k \text{ rental} \\
 \frac{18010}{21410} \times 12 = 2508
 \end{array}$$

$$\begin{array}{r}
 \frac{6576}{4} = 1644 \\
 \underline{\hspace{1cm}} \\
 = 1376 / \text{wo.}
 \end{array}$$

If HSI cost = \$90k
 → cost = \$90k

$$\text{total} \quad 180k \times 12 = \frac{2160}{6576} = 33\%$$

$$\frac{12}{1100}$$

$$\begin{array}{r} 3376 \\ \hline 170626 \\ \hline \end{array} \quad \begin{array}{l} \text{disk usage} \\ + 3000 \text{ mb/del} \\ \\ \\ \end{array}$$

$$\begin{array}{r} \hline \hline \end{array} \quad \begin{array}{l} .037 \\ \\ 3.7\% \end{array}$$

use = 1% of cpu/memory

use = 3.7% of disk

change = $8587 / 89000 = 10\%$ of change

$$\frac{3376}{80000} \text{ sec. backed up.}$$

= 4.2% of backup storage.

.22

$$.042 = .00924 \times 10.1 \text{ hr.}$$

$$242 \text{ hr.} = 9.68 \text{ hr.}$$