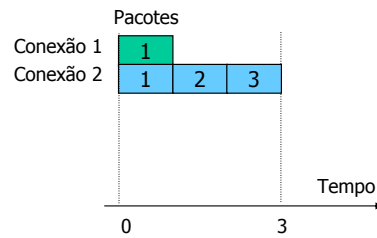


Escalonador PGPS

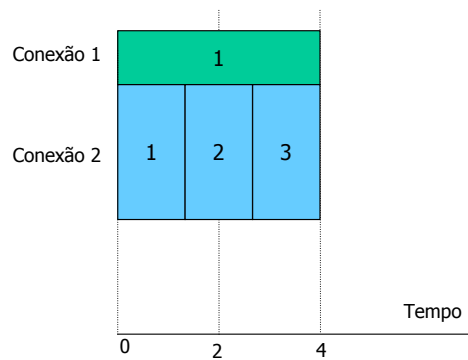
✓ Cenário de Tráfego



© Antônio M. Alberti 2006

Escalonador PGPS

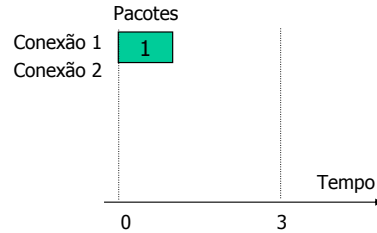
✓ Considerando que a conexão 1 tem peso igual a $1/4$, a conexão 2 tem peso $3/4$ a ordem de serviço dos pacotes no escalonador PGPS ficaria:



© Antônio M. Alberti 2006

Escalonador PGPS

- ✓ Chegada do 1º pacote da 1ª conexão ($t_0 = 0$).



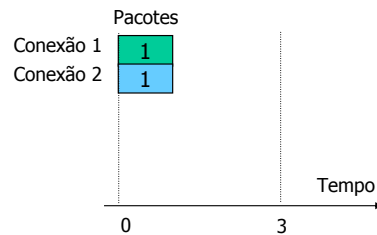
$$V_{t_0} = V_{t_{-1}} + \frac{0}{\phi_1} = 0 + 0$$

$$S_{t_0}^1 = \max\{F_{t_{-1}}^1; V_{t_0}\} = \max\{0; 0\} = 0$$

$$F_{t_0}^1 = S_{t_0}^1 + \frac{L_{t_0}^1}{\phi_1} = 0 + \frac{1}{1/4} = 4$$

Escalonador PGPS

- ✓ Chegada do 1º pacote da 2ª conexão ($t_0 = 0$).



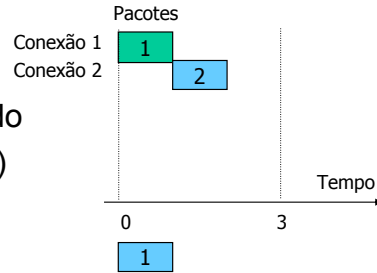
$$V_{t_0} = V_{t_{-1}} + \frac{0}{\phi_1 + \phi_2} = 0 + 0$$

$$S_{t_0}^2 = \max\{F_{t_{-1}}^2; V_{t_0}\} = \max\{0; 0\} = 0$$

$$F_{t_0}^2 = S_{t_0}^2 + \frac{L_{t_0}^2}{\phi_2} = 0 + \frac{1}{3/4} = 1,333$$

Escalonador PGPS

- ✓ Chegada do 2º pacote da 2ª conexão ($t_1 = 1$) e saída do 1º pacote da 2ª conexão ($t_s = 1$)



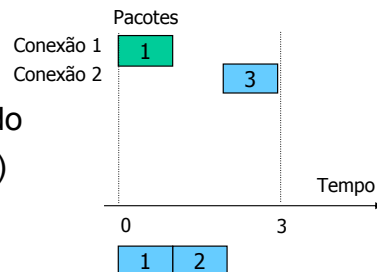
$$V_{t_1} = V_{t_0} + \frac{1}{\phi_1 + \phi_2} = 0 + 1$$

$$S_{t_1}^2 = \max\{F_{t_0}^2; V_{t_1}\} = \max\{1,333; 1\} = 1,333$$

$$F_{t_1}^2 = S_{t_1}^2 + \frac{L_{t_1}^2}{\phi_2} = 1,333 + \frac{1}{3/4} = 2,666$$

Escalonador PGPS

- ✓ Chegada do 3º pacote da 2ª conexão ($t_2 = 2$) e saída do 2º pacote da 2ª conexão ($t_s = 2$)



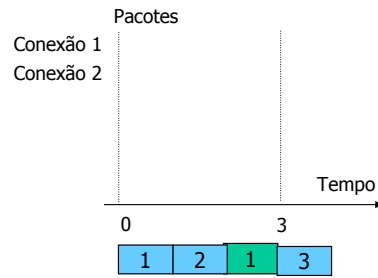
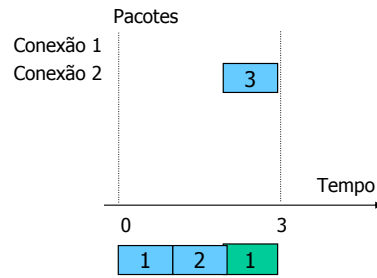
$$V_{t_2} = V_{t_1} + \frac{1}{\phi_1 + \phi_2} = 1 + 1 = 2$$

$$S_{t_2}^2 = \max\{F_{t_1}^2; V_{t_2}\} = \max\{2,666; 2\} = 2,666$$

$$F_{t_2}^2 = S_{t_2}^2 + \frac{L_{t_2}^2}{\phi_2} = 2,666 + \frac{1}{3/4} = 4$$

Escalonador PGPS

- ✓ Saída do 1º pacote da 1ª conexão ($t_s = 3$)



Saída do 3º pacote da 2ª conexão ($t_s = 4$)