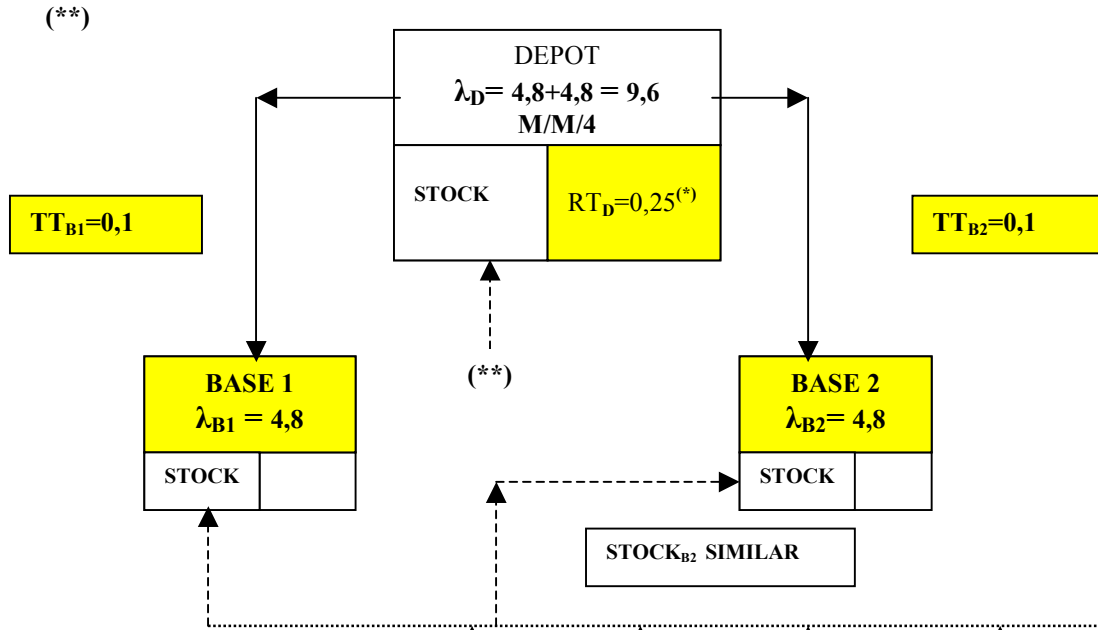


## QUEUE – METRIC (METRIC WITH QUEUEING)

STOCK <sub>D</sub>	EBO <sub>D</sub>	EBO <sub>D</sub> /λ <sub>D</sub> (time)
0	2.83055	0.29485
1	1.91361	0.19933
2	1.19600	0.12458
3	0.71760	0.07475
4	0.43056	0.04485
5	0.25833	0.02691

$$\rho = \frac{\lambda\mu}{s} = \frac{9.6 \times 0.25}{4} = 0.6 < 1$$



(\*) Includes transit time from base to depot.

STOCK <sub>D</sub>	λ <sub>B1</sub> x TAT <sub>B1</sub>	λ <sub>B1</sub> (EBO <sub>D</sub> /λ <sub>D</sub> )	PIPELINE <sub>B1</sub>	STOCK <sub>B1</sub> =0 EBO <sub>B1</sub>	STOCK <sub>B1</sub> =1 EBO <sub>B1</sub>	STOCK <sub>B1</sub> =2 EBO <sub>B1</sub>	STOCK <sub>B1</sub> =3 EBO <sub>B1</sub>	STOCK <sub>B1</sub> =4 EBO <sub>B1</sub>
0	0.48	1.41528	1.89528	1.89528	1.04555	0.48065	0.18564	0.06115
1	0.48	0.95681	1.43681	1.43681	0.67449	0.25369	0.07822	0.02026
2	0.48	0.59800	1.07800	1.07800	0.41828	0.12537	0.03017	0.00603
3	0.48	0.35880	0.83880	0.83880	0.27103	0.06581	0.01265	0.00200
4	0.48	0.21528	0.69528	0.69528	0.19421	0.04005	0.00648	0.00086
5	0.48	0.12917	0.60917	0.60917	0.15297	0.02804	0.00401	0.00047

QUEUE-METRIC (JFUKUDA FEB2009)