ข้อ 1   Web Server

$$MTBF = 8751.23 \text{ hours}$$
$$MTTR = 8.77 \text{ hours}$$

Application Server

$$MTBF = 8716.08 \text{ hours}$$
$$MTTR = 43.92 \text{ hours}$$

Database Server

$$MTBF = 8672.40 \text{ hours}$$
$$MTTR = 87.60 \text{ hours}$$

สูตร Availability $A = \dfrac{MTBF}{MTBF+MTTR}$ กำหนดให้ 1 ปี = 365 วัน

$$A_{web} = \frac{8751.23}{8751.23+8.77} = 0.999 = 99.9\%$$

$$A_{App} = \frac{8716.08}{8716.09+43.92} = 0.995 = 99.5\%$$

$$A_{Data} = \frac{8672.40}{8672.40+87.60} = 0.99 = 99\%$$

$$A_{web} * A_{App} * A_{Data} = 99.4$$

∴ Availability $= 99.4 \approx 8619.84$ Hours/year #