ข้อ 1

Web Server

MTBF = 8751.23 hours

MTTR = 8.77 hours

Application Server

MTBF = 8716.08 hours

MTTR = 43.92 hours

Database Server

MTBF = 8672.40 hours

MTTR = 87.60 hours

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

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

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

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

∴ Availability = 99.4 ≈ 8619.84 Hours/year #