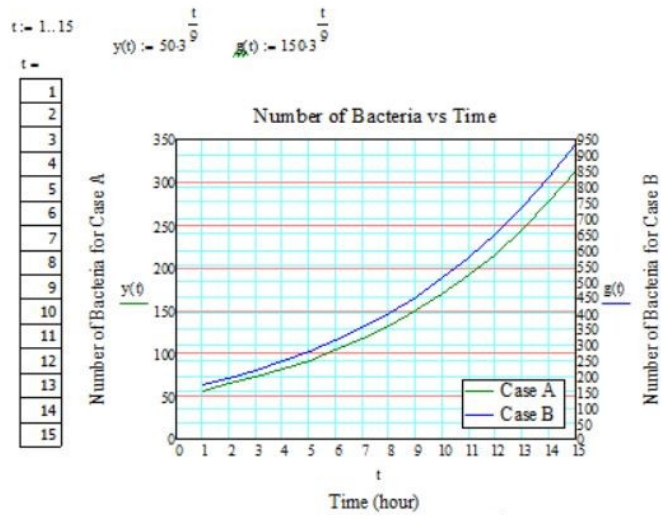


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⊙ $y = 50$
 $k = ?$
 $y = ?$
 $y @ 9 \text{ hrs} = 50 \times 3$
 $= 150$
 $\therefore t = 9 \text{ hrs}$
 $150 = 50 \times 3^k$
 $3 = 3$
 $9/k = 1$
 $k = \frac{1}{9}$
 $\Rightarrow y = y_0 3^{\frac{t}{9}}$

* $y(t) = 50 \times 3^{\frac{t}{9}}$
 * $g(t) = 150 \times 3^{\frac{t}{9}}$



g(t) -

| |
|---------|
| 169.475 |
| 191.478 |
| 216.337 |
| 244.425 |
| 276.159 |
| 312.013 |
| 352.521 |
| 398.29 |
| 450 |
| 508.424 |
| 574.433 |
| 649.012 |
| 733.274 |
| 828.476 |
| 936.038 |

y(t) -

| |
|---------|
| 56.492 |
| 63.826 |
| 72.112 |
| 81.475 |
| 92.053 |
| 104.004 |
| 117.507 |
| 132.763 |
| 150 |
| 169.475 |
| 191.478 |
| 216.337 |
| 244.425 |
| 276.159 |
| 312.013 |