

$$\begin{aligned}
 G(s) &= \frac{Y(s)}{U(s)} = [0 \ [1 \ I - A]^{-1} B + D] \\
 &= [1 \ 0] \begin{bmatrix} \frac{1}{s} & \frac{1}{s^2} \\ 0 & \frac{1}{s} \end{bmatrix} \begin{bmatrix} 0 \\ 1 \end{bmatrix} + 10 \\
 &= \begin{bmatrix} \frac{1}{s} & \frac{1}{s^2} \end{bmatrix} \begin{bmatrix} 0 \\ 1 \end{bmatrix} + 10 \\
 &= \frac{1}{s^2} + 10 = \frac{10s^2 + 1}{s^2} //
 \end{aligned}$$

Bagan kotak :

