Nomther que $\mathbb{E}\left[S_{t}|\mathcal{F}_{s}\right] = e^{u(t-s)}S_{s}$

On connect:
$$S_t = S_t \exp\left(\left(\mu - \frac{\nabla^2}{2}\right)t + \nabla W_t\right)$$

On peut réevise St en fonction de Ss:

$$S_{t} = S_{c} exp\left(\left(M - \frac{\forall}{z}\right)\left[t - s\right] + \sqrt{\left(N_{t} - W_{s}\right)}\right)$$

On tremsforme en #:

$$\begin{array}{c}
E[S_t|J_s] = F[S_t|V_t] = F[N_t-V_t] \\
\text{On sont les constants le } F[N_t-V_t] \\
\text{On sont l$$

$$\begin{aligned}
E \left[S_{t} \right] f_{s} &= S_{s} \exp \left(\left(n - \frac{\nabla^{2}}{Z} \right) \left(t - s \right) \right] + \left[\exp \left(\nabla \left(W_{t} - W_{s} \right) \right) \right] \\
&= S_{s} \exp \left(\left(n - \frac{\nabla^{2}}{Z} \right) \left(t - s \right) \right) \exp \left[\frac{1}{2} \left(\nabla \left(v - s \right) \right) \right] \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) \left(t - s \right) + \left(\frac{1}{2} \left(\sigma^{2} \left(v - s \right) \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \right] \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) \left(v - s \right) \right] + \frac{\sigma^{2}}{Z} \left(v - s \right) \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) \left(v - s \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) \left(v - s \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) \left(v - s \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) \left(v - s \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) \left(v - s \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) \left(v - s \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) \left(v - s \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) \left(v - s \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) \left(v - s \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) \left(v - s \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) \left(v - s \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) \left(v - s \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) \left(v - s \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) \left(v - s \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) \left(v - s \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) \left(v - s \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \\
&= S_{s} \exp \left(\left(n - \frac{\sigma^{2}}{Z} \right) + \frac{\sigma^{2}}{Z} \left(v - s \right) \right) + \frac{\sigma^{2}}{Z} \left(v - s \right)$$