$$\pi[n] = S[n+1] + S[n-1]$$

$$\pi[Y-\Psi n] = S[Y-\Psi n] + S[1-\Psi n]$$

$$Z[n] = \sum_{K=-\infty}^{+\infty} (S[Y-\Psi K] + S[1-\Psi K]) \cup (K) \times \pi[n-K]$$

$$\chi = -\infty \qquad h(K)$$

$$\chi = -\infty \qquad h($$

$$y(n) = \frac{1}{4} y(n-1) = n(n)$$

 $y(K) = \frac{1}{1 - \frac{1}{4}e^{-jK\omega}} n(K)$
 $y(K) = \frac{1}{1 - \frac{1}{4}e^{-jK\omega}} n(K)$

$$\sin (rn n) = \frac{rn}{r} = \frac{rn}{r} = \frac{rn}{r} = \frac{r}{r}$$

$$= > ar = \frac{1}{rj}, a = -\frac{1}{rj}$$

$$= > ar = -\frac{1}{rj}, a = -\frac{1}{rj}$$

$$= > ar = -\frac{1}{rj}, a = -\frac{1}{rj}$$

$$Cos\left(\frac{\pi}{r}n\right) + r cs\left(\frac{\pi}{r}n\right)$$

$$e^{i\pi n} + e^{-i\pi n} + r \times \frac{e^{i\pi n} + e^{-i\pi n}}{r} \Rightarrow \alpha_{1} = \frac{1}{r} = \alpha_{-1}$$

$$\alpha_{1} = \frac{1}{r} = \alpha_{-1}$$

$$\alpha_{2} = 1 = \alpha_{-1}$$

$$b_{-1} = \frac{1}{r} \times \frac{1}{1 - \frac{1}{r}e^{-\sqrt{r}}}$$

$$b_{-1} = \frac{1}{r} \times \frac{1}{1 - \frac{1}{r}e^{-\sqrt{r}}}$$

$$b_{-1} = 1 \times \frac{1}{1 - \frac{1}{r}e^{-r\sqrt{r}}}$$

$$b_{-1} = 1 \times \frac{1}{1 - \frac{1}{r}e^{-r\sqrt{r}}}$$