$$\frac{W_{MPDR} = \frac{S_{X} V_{M}}{V_{M} + S_{X} V_{M}} \qquad \frac{V_{M} = V_{S}}{V_{S} + S_{X} V_{S}} \qquad (6.71)$$

$$W_{\text{MVDR}} = \frac{S_N Y_S}{Y_S + S_N Y_S}$$
 (6.18)

$$\cdot \quad \overset{>}{\sim} \overset{>}{\sim} \overset{\wedge}{\sim} \overset{\vee}{\sim} \overset{\sim}{\sim} \overset{\sim}{\sim}$$

$$= \left[\frac{1}{1+\sigma_6^2 v_6^{\pm} \sum_{n=1}^{\infty} v_s}\right] \leq n^{-1} v_s$$

$$V_{6}^{\pm} \stackrel{\sim}{S}_{x} \stackrel{\vee}{V}_{5} = \left[\frac{1}{1 + \sigma_{5}^{2} v_{6}^{\pm} S_{n} \stackrel{\vee}{V}_{5}} \right] V_{5}^{\pm} \stackrel{\sim}{S}_{n} \stackrel{\vee}{V}_{5}$$