5 440 FMAN Problem 4 $V_{i}(x) = \frac{\sum_{i \in \Sigma \times i} w_{i} f_{i}(x-i)}{\sum_{i \in \Sigma \times i} w_{i} f_{i}(x-i)}$ for where it is the formula of the formula offor when no ryn occurs State 1 = NO 3-5'-AMP State Z = with 3-5-AMP $f_{i} = \frac{\left(\frac{X}{K_{i}}\right)^{n_{i}}}{\left(1 + \left(\frac{X}{K_{i}}\right)^{n_{i}}\right)}$ Bound aloNatop for conflowation i ACHNATOR = 3-5-AMP BC State 1 15 No 3'-5'-AMP

$$V_{1} = \frac{\left(\frac{X}{K_{1}}\right)^{n_{1}}}{1+\left(\frac{X}{K_{1}}\right)^{n_{1}}} + W_{2} \left(\frac{\left(\frac{X}{K_{2}}\right)^{n_{2}}}{1+\left(\frac{X}{K_{1}}\right)^{n_{1}}}\right)$$

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overall =
$$\hat{r}_1 = r_1 V_1$$

rote (on stant
(see Excel)

4 AB

From The least Squares fit shown on Exception of Williams (untress) 7.6

Williams (untress) 7.6

Killiams (unitless) 7.6

Killiams (unitless) 7.718

Nilliams (unitless) 7.718

Nilliams (unitless) 7.718

() Please see the graph on the next Page or on Excel.

