$$\text{Map}(m, w, s) \overset{\text{def}}{=} 0 \leqslant s < S \,\wedge$$
$$B(wS + s) \leqslant m < B(wS + s) + B \,\wedge$$
$$\mu_x - B < B(wS + s) < \mu_x + \beta_x \alpha_x \qquad (3)$$