Example Molt. Res., 3 samples X, 1/2, 1/3

whith weights

white 1/2, 1/4, 1/4

~ Sample Xn, x2, x3 from the distribution $P[\overline{X}_i = X_i] = \begin{cases} \frac{1}{2} & \times_1 \\ \frac{1}{4} & \times_2 \\ \frac{1}{4} & \times_3 \end{cases}$ Residual resumpling We have M=3 new somples
And colculate [MVZ] = L34] = 0 [Mw3] = [3/4] = 0 -> Deterministically set X1 = X1 Make new weights

since one exple is

1.5-1 K olive dy ktore 3/4-0

2 Z Z Z = 3/3 = 3/3 7 Multinonial resupting for the left our Z samples with weights vi

Some weights w, (in case of 6.28

w; = w: likelihood) but Zw; +1 ~ redefine $\overline{w}_{i} := \overline{w}_{i} / \overline{n} \sim \overline{2} v_{e}$