

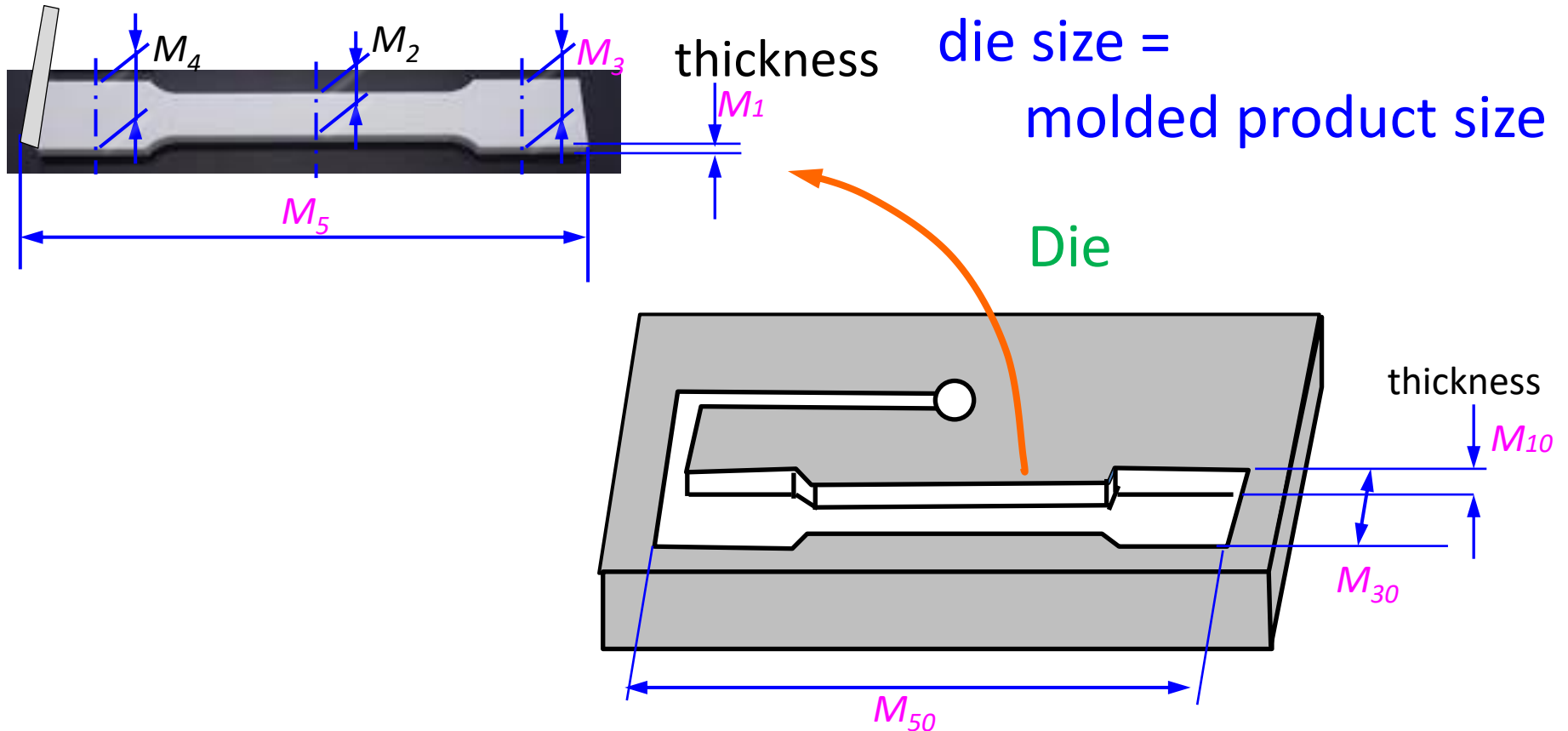
Setting of molding conditions for dumbbell-shaped molded products

Objective function : Molding dimension is the intended dimension

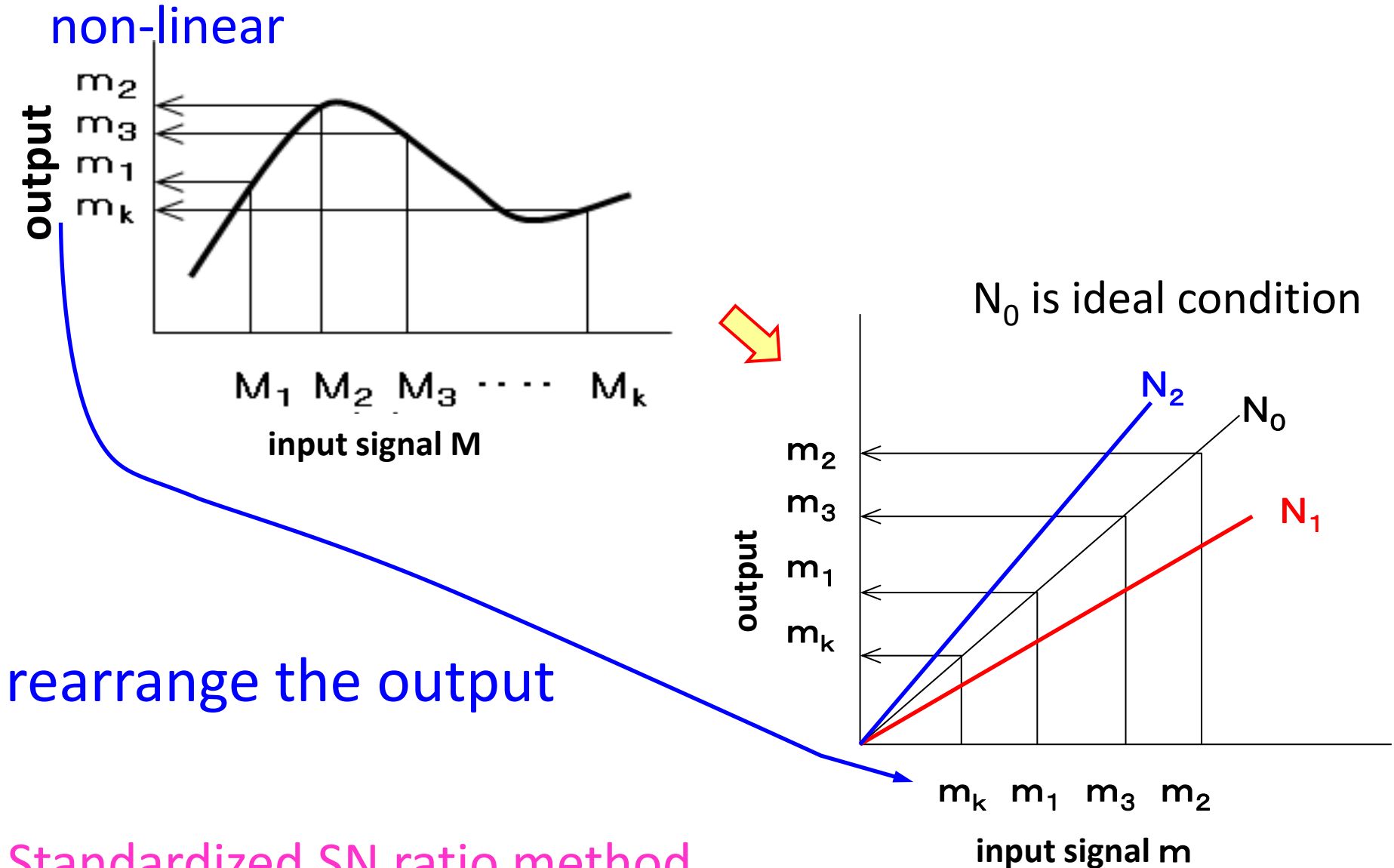
Generic function : Molding dimension is proportional to mold dimension (transferability)

Molded product

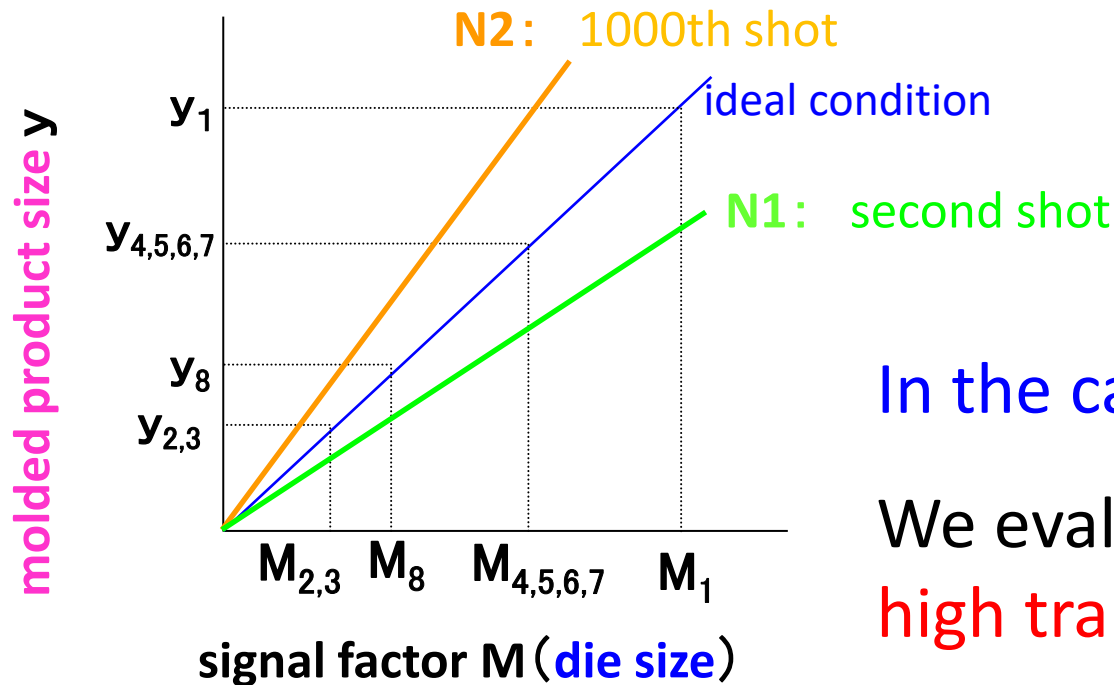
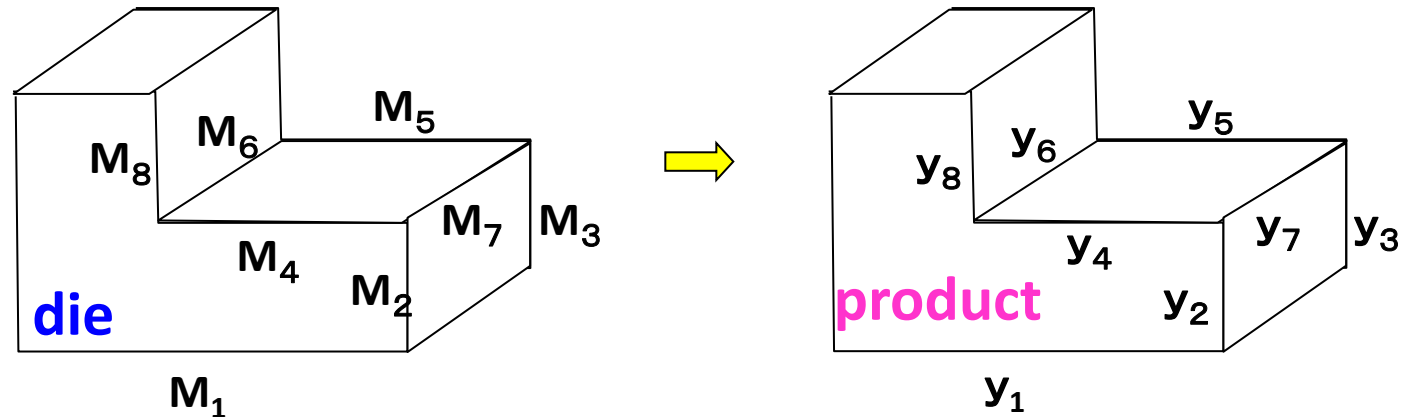
Q. What is ideal?



Q. How should we do if the output is non-linear or transferable with respect to the input signal?



Transferability Input=die size、Output=molded product size

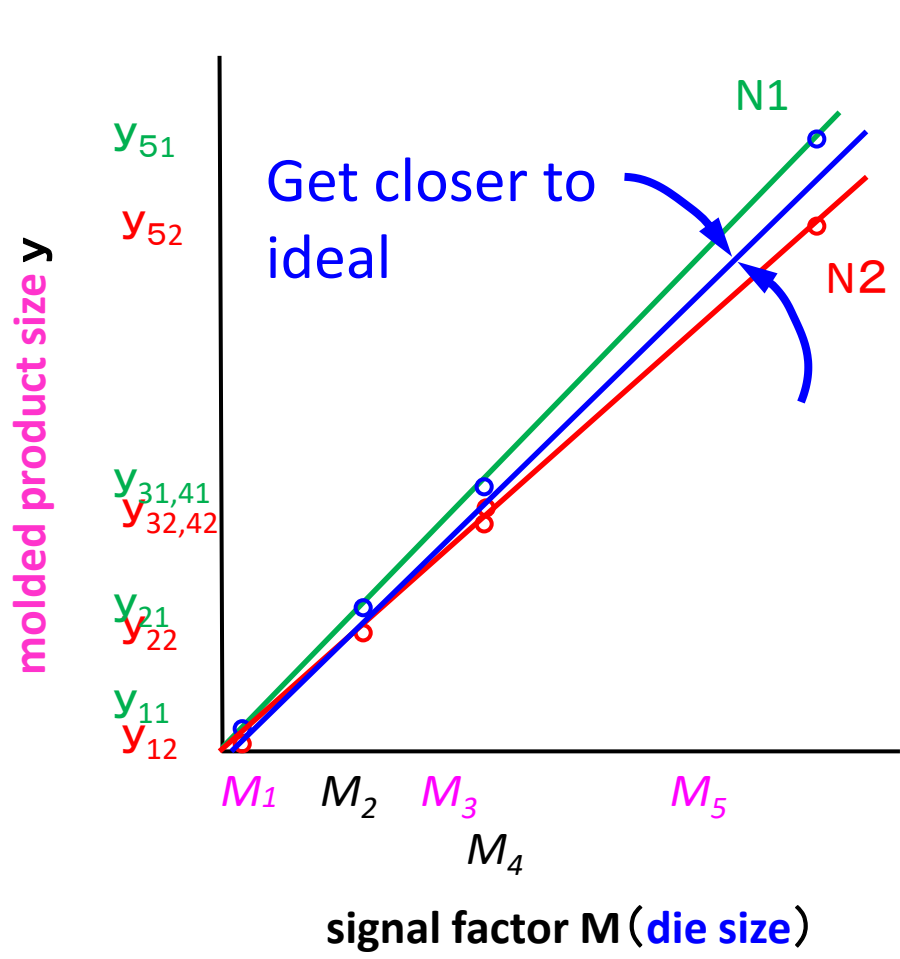


In the case of molding,

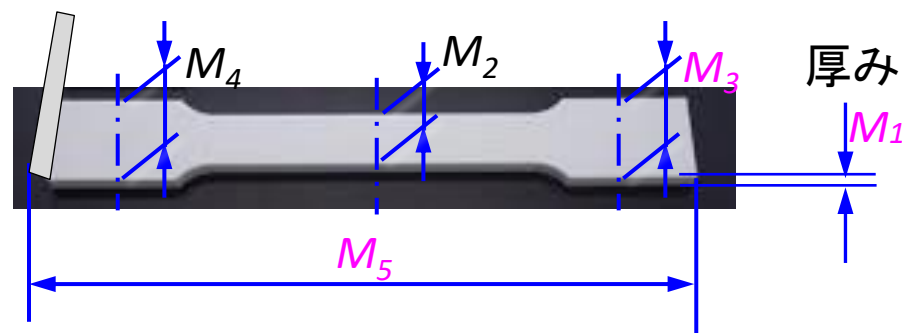
We evaluate conditions with high transfer SN ratio

Evaluation

we set the signal factor M to the ideal mold size.



die size = molded product size



Mold for condition of error factors N1 and N2 and then measure some molding size of sample

例 Measure sizes of M_1 、 M_3 and M_5