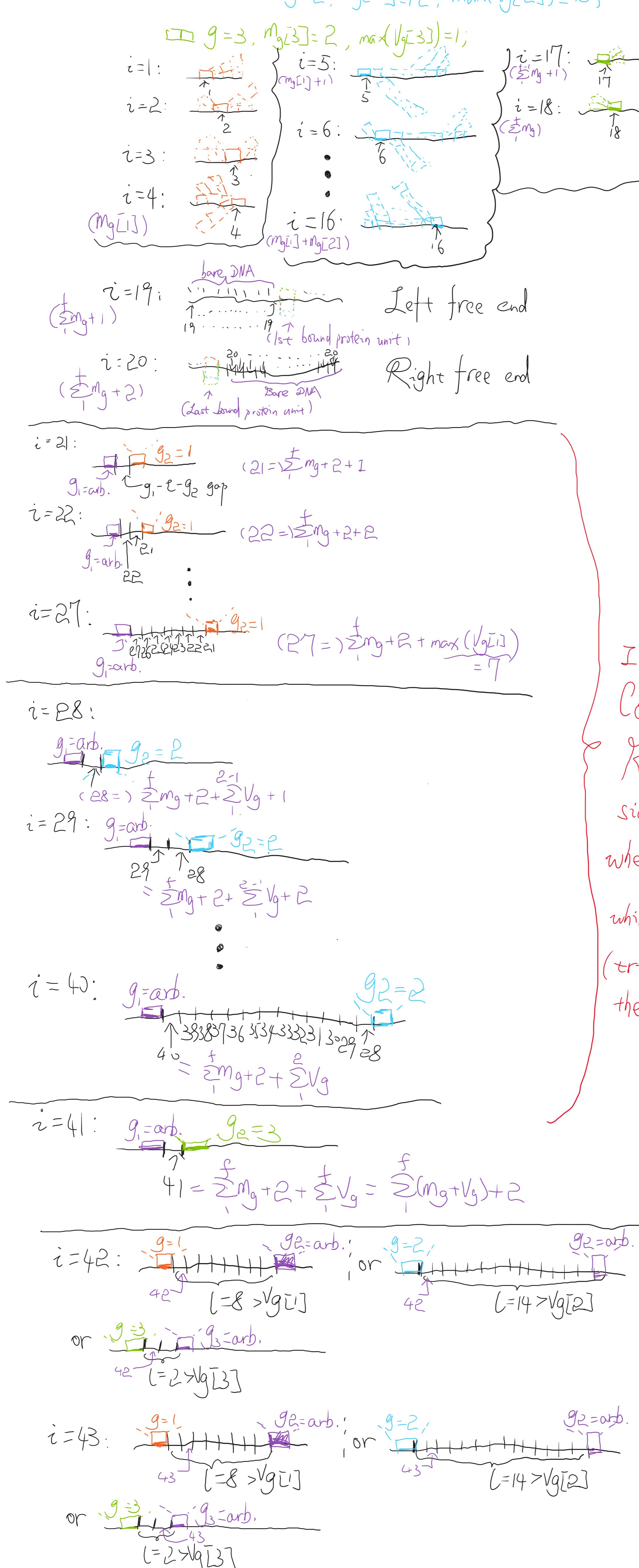


STATE enumeration:

Considering a specific example, taking account 3 different proteins ( $f = 3$ )



Bound units

Interactions Counted from Right-handed side bound unit of protein  $g_2$ , where  $g_2$  is specified while  $g_1$  is arbitrary (trivial contribution on the  $g_1-g_2$  interaction)

Interactions

Counted from Left-handed side bound protein, also the gap is larger than the bound protein's  $V_g$ .

