- 1. (4, 5, 6, 1, 2, 3)
- 2. To construct a list of arbitrary s and t, starting with the list $a = (1, 2, \dots, st 1, st)$, then we construct $\bigoplus_{i=1}^{t} (a_{s(t-i)+1}, \dots, a_{s(t-i)+s})$. This satisfies the constraints of s+1 automatically by having these linearly increasing chunks of length s, then at the s+1st element, a numerical cliff is hit, and sinks from $a_{s(t-i)+s}$ to $a_{s(t-(i+1))+1}$. This is also the only time a decrease occurs in the list, satisfying the t+1 decreasing list rule.