**Append:**



// From the information of the store, when we pass L3: (7|(8|(9|(10|nil)))) into Reverse,

// it is actually doing :

// 1. {Append {Reverse [8,9,10]} [7]} ------> {Append [10,9,8] [7]}------>[10,9,8,7] (final result)

// 2. {Reverse [8,9,10]} ----> {Append {Reverse [9,10]} [8]} ------> {Append [10,9] [8]}

// 3. {Reverse [9,10]} ----> {Append {Reverse [10]} [9]} ------> {Append [10] [9]} ------>[10,9]

// 4. {Reverse [10]} ----> {Append {Reverse []} [10]} ----->[10]

**Append\_diff:**



// From the information of the store, when we pass [4,3,2,1] into Reverse

// {Reverse [4,3,2,1]} -----> {ReverseD [4,3,2,1] Out []} -----> Return [1,2,3,4]

// {ReverseD [4,3,2,1] Out []} ------> {ReverseD [3,2,1] Out [4]}

// {ReverseD [3,2,1] Out [4]} ------> {ReverseD [2,1] Out [3,4]}

// {ReverseD [2,1] Out [3,4]} ------> {ReverseD [1] Out [2,3,4]}

// {ReverseD [1] Out [2,3,4]} ------> {ReverseD [] Out [1,2,3,4]}

// {ReverseD [] Out [1,2,3,4]} ------> for the [] case, ReverseD bound [1,2,3,4] to Out, Out = [1,2,3,4]

// Return [1,2,3,4]

**Reverse with size of 6:**