BondIT <> Itay direct indexing

1. Optimizer\_tracker
   * Input:
     + Target index -
       - Daily returns over period of time
       - Constituents
     + Universe i.e. all the securities eligible for creating the artificial/synthetic index
     + Specified dates for the synthetic index
     + Constraints -
       - each security has defining characteristics : c\_1,c\_2, c\_3, c\_4
         * Constraint could be of the type:

capping the maximal weight of certain characteristic c\_i

Avoiding using securities with certain characteristic

* + - * Avoiding using specific securities
      * Limiting the number of securities that can be used
    - Updating dates - times where the tracker can be updated
    - Risk function that is or in other words given the returns of the target index and the synthetic index return the value greater than zero
  + Output:
    - Returns of the synthetic index in the given dates
    - Holdings of the synthetic index in each of the given dates
    - C1, .. ,Cn relative weights

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