```
10\overline{0}
 10\overline{0}
]data.set_index('year', inplace =
True, drop = True) start_y ear = 
 1870end_y ear =
2015 dat \ddot{a} = dat a.loc [start_y ear:
end_y ear; threshold = 0.095 countries = list(data.columns) years = 0.095 countries = 0.095 countr
 list(data.index)data_{p}ct =
 data.pct_change()cons_df =
 data_p ct
              iist =
 _{d}f_{l}ist =
 _{f}^{dict}\underset{rame}{=}=
\begin{array}{c} data_{p}ct[country] \\ years = \end{array}
\underset{frame_less}{len(sub_frame.dropna())}
 sub_frame.iloc[1:
              index =
 sub_frame_less.loc[pd.isna(sub_frame_less)].index
              _{c}ounter =
              _{c}ontainer =
 []succession_y ear_container =
 _{y}earandsub_{f}rame.loc[x] <
 0 and sub_f rame.loc[x+
_{0}^{1]} <
              _{c}ounter + = \\
_{l}ist =
 [sub_f^r rame.loc[x], sub_f rame.loc[x+
 1]]empty_year_list =
\begin{bmatrix} x, x+1 \\ 1 \end{bmatrix}
_{l}ist.append(sub_{f}rame.loc[x+
 1]) empty_y ear_l ist.append(x+
              _{c}ontainer.append(empty_{l}ist)succession_{y}ear_{c}ontainer.append(empty_{y}ear_{l}ist) \\
 0
              _periods =
 list(succession_{y}ear_{c}ontainer for succession_{y}ear_{c}ontainer,_{i}niter tools.group by(succession_{y}ear_{c}ontainer))
              _{c}ontractions =
 \label{eq:container} \begin{subarray}{c} container for succession_container,_i \ nitertools. group by (succession_container)): \end{subarray}
              _{c}ontractions.append(sum(i)) \\
              _{c}heck_{l}ist =
 \bar{c}ontractions):
              dict =
              dict['contraction'] =
 iempty_dict['index'] =
              _{c}heck_{l}ist.append(empty_{d}ict)
               _df =
 pd.DataFrame(empty_check_list)
              _{p}eriods =
 _{d}f['index'].values): \\
              _{p}eriods.append(unique_{p}eriods[i])
```