

```

HYSTERESIS_tab_req (XIN1, XIN2, EPS, Q): bool =
  FORALL t:
    Q(t) =
      IF init(t) THEN False
      ELSE LET prev = Q(pre(t)) IN
        TABLE
          | XIN1(t) < (XIN2(t) - EPS(t)) | False ||
          | (XIN2(t) - EPS(t)) <= XIN1(t) & XIN1(t) <= (XIN2(t) + EPS(t)) | prev ||
          | (XIN2(t) + EPS(t)) < XIN1(t) | True ||
        ENDTABLE
      ENDIF

```