```
BLOCK entry {
  ratioCatalog <- §SELECT COALESCE(
                              COUNT(*) FILTER (WHERE p_channel_email='Y'  OR p_channel_catalog='Y'  OR p_channel_dmail='Y') :: real /
                        NULLIF(COUNT(*) FILTER (WHERE p_channel_email='N' AND p_channel_catalog='N' AND p_channel_dmail='N') :: real,0),
                          '+Inf' :: real
                        )
              FROM    catalog_sales, promotion, date_dim
              WHERE   cs_sold_date_sk = d_date_sk
              AND     d_year = {0}
              AND     cs_promo_sk = p_promo_sk§[givenYear];
  ratioStore <- §SELECT COALESCE(
                              COUNT(*) FILTER (WHERE p_channel_email='Y'  OR p_channel_catalog='Y'  OR p_channel_dmail='Y') :: real /
                        NULLIF(COUNT(*) FILTER (WHERE p_channel_email='N' AND p_channel_catalog='N' AND p_channel_dmail='N') :: real,0),
                          '+Inf' :: real
                        )
              FROM    store_sales, promotion, date_dim
              WHERE   ss_sold_date_sk = d_date_sk
              AND     d_year = {0}
              AND     ss_promo_sk = p_promo_sk§[givenYear];
  ratioWeb <- §SELECT COALESCE(
                              COUNT(*) FILTER (WHERE p_channel_email='Y'  OR p_channel_catalog='Y'  OR p_channel_dmail='Y') :: real /
                        NULLIF(COUNT(*) FILTER (WHERE p_channel_email='N' AND p_channel_catalog='N' AND p_channel_dmail='N') :: real,0),
                          '+Inf' :: real
                        )
              FROM    web_sales, promotion, date_dim
              WHERE   ws_sold_date_sk = d_date_sk
              AND     d_year = {0}
              AND     ws_promo_sk = p_promo_sk§[givenYear];
  GOTO inter1
}
```

```
BLOCK inter1 {
  IF §{0} >= {1} AND {0} >= {2}§[ratioWeb, ratioCatalog, ratioStore]
  THEN GOTO truthy0
  ELSE IF §{0} >= {1} AND {0} >= {2}§[ratioWeb, ratioCatalog, ratioStore]
        THEN GOTO truthy1
        ELSE IF §{0} >= {1} AND {0} >= {2}§[ratioWeb, ratioCatalog, ratioStore]
              THEN GOTO truthy2
              ELSE GOTO falsey2
}
```

```
BLOCK truthy0 {
  maxRatio <- §'Web'§[];
  GOTO merge0
}
```

```
BLOCK truthy1 {
  maxRatio <- §'Web'§[];
  GOTO merge0
}
```

```
BLOCK truthy2 {
  maxRatio <- §'Web'§[];
  GOTO merge0
}
```

```
BLOCK falsey2 {
  maxRatio <- §'NULL'§[];
  GOTO merge0
}
```

```
BLOCK merge0 {
  EMIT §{0}§[maxRatio];
  STOP
}
```