TURNING
HORRIBLE JOINS
INTO
WONDERFUL SPEEDUPS
CREATE TABLE [dbo].[AC_Actor](
    [AC_ID] [int] IDENTITY(1,1) NOT NULL,
    [AC_Dummy] [bit] NULL,
    CONSTRAINT [pkAC_Actor] PRIMARY KEY CLUSTERED (
        [AC_ID] ASC
    )
);
CREATE TABLE [dbo].[AC_NAM_Actor_Name](
    [AC_NAM_AC_ID] [int] NOT NULL,
    [AC_NAM_Actor_Name] [varchar](42) NOT NULL,
    [AC_NAM_ChangedAt] [datetime] NOT NULL,
    CONSTRAINT [pkAC_NAM_Actor_Name] PRIMARY KEY CLUSTERED (
        [AC_NAM_AC_ID] ASC,
        [AC_NAM_ChangedAt] DESC
    ),
    CONSTRAINT [fkAC_NAM_Actor_Name] FOREIGN KEY([AC_NAM_AC_ID]) REFERENCES [dbo].[AC_Actor] ([AC_ID])
);
TABLE ELIMINATION

SELECT
    [GEN].AC_GEN_Actor_Gender
FROM
    [dbo].[AC_Actor] [AC]
LEFT JOIN
    [dbo].[rAC_NAM_Actor_Name](@changingTimepoint) [NAM]
ON
    [NAM].AC_NAM_AC_ID = [AC].AC_ID
AND
    [NAM].AC_NAM_ChangedAt = (SELECT max(sub.AC_NAM_ChangedAt)
        FROM
            [dbo].[rAC_NAM_Actor_Name](@changingTimepoint) sub
        WHERE
            sub.AC_NAM_AC_ID = [AC].AC_ID
    )
LEFT JOIN ...
SELECT COUNT(*)
FROM [dbo].[pAC_Actor]('2009-09-21') [AC]
JOIN [dbo].[pAC_part_PR_in_RAT_got]('2009-09-21') [ACPR]
ON [ACPR].AC_ID_part = [AC].AC_ID
JOIN [dbo].[pPR_Program]('2009-09-21') [PR]
ON [PR].PR_ID = [ACPR].PR_ID_in
WHERE [AC].AC_GEN_Actor_Gender = 'Female'
AND [AC].AC_PLV_Actor_Professional_Level = 'Intermediate'
AND [ACPR].RAT_Rating = 'High'

COLUMN STATISTICS
CONDITIONS ARE USED TO DETERMINE THE OPTIMAL JOIN ORDER