The SEQDESIGN Procedure
Design: TwoSampleFreq

Design Information	
Statistic Distribution	Normal
Boundary Scale	p-Value
Alternative Hypothesis	Two-Sided
Alternative Reference	-0.45308
Number of Stages	1
Alpha	0.05
Beta	0.2
Power	0.8
Max Information (Percent of Fixed Sample)	100
Max Information	38.23484
Null Ref ASN (Percent of Fixed Sample)	100
Alt Ref ASN (Percent of Fixed Sample)	100

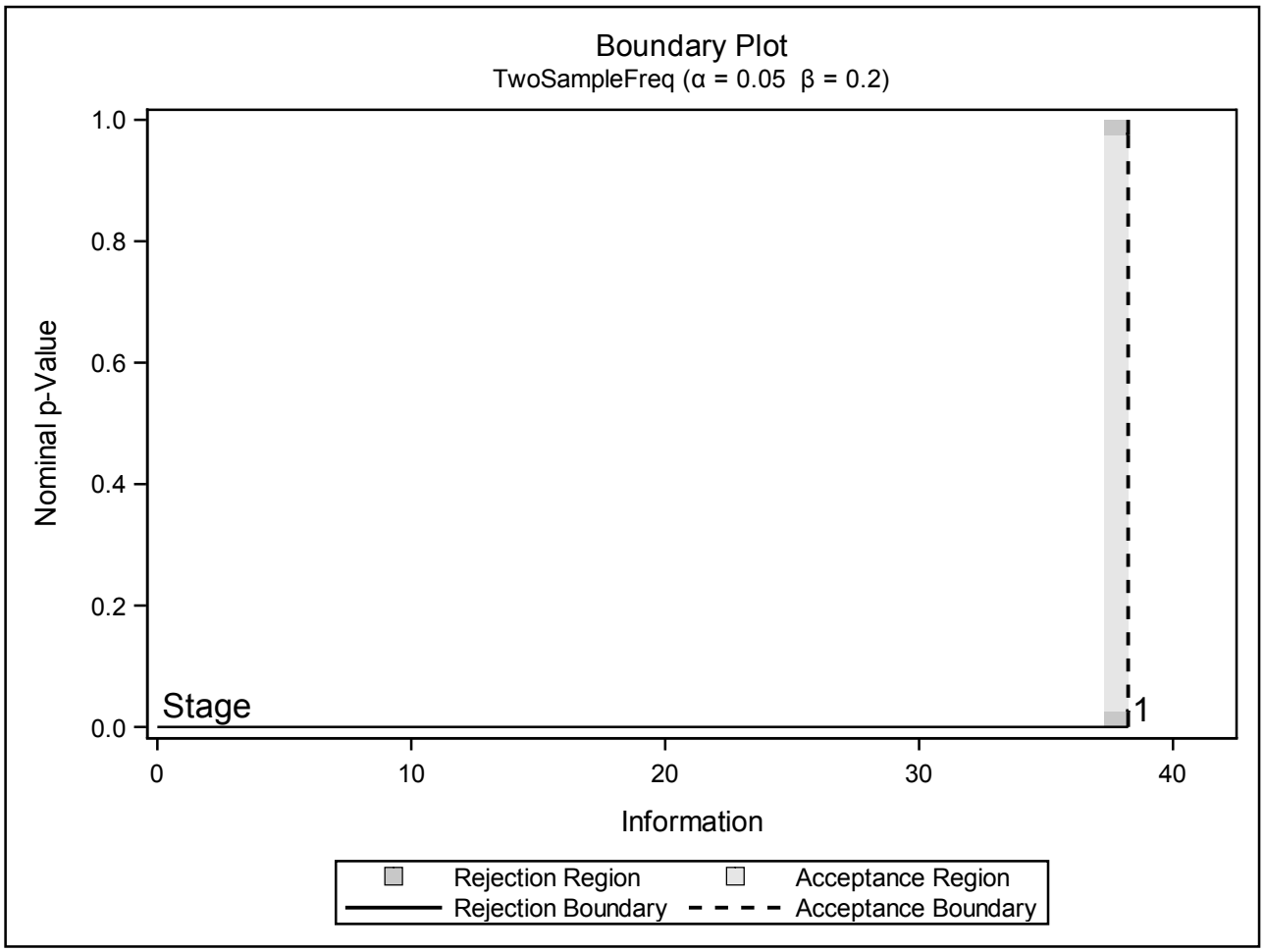
Method Information

Boundary	*Alpha*	*Beta*	*Alternative Reference*	*Drift*
Upper Alpha	0.02500	0.20000	0.453079	2.801585
Lower Alpha	0.02500	0.20000	-0.45308	-2.80159

Boundary Information (p-Value Scale)
Null Reference = 0

	Information Level			*Alternative Reference*		*Boundary Values*	
*_Stage_*	*Proportion*	*Actual*	*N*	*Lower*	*Upper*	*Lower Alpha*	*Upper Alpha*
1	1.0000	38.23484	1997.764	-2.80159	2.80159	0.02500	0.97500

The SEQDESIGN Procedure
Design: TwoSampleFreq



Sample Size Summary	
Test	Two-Sample Proportions
Null Proportion	0.105
Proportion (Group A)	0.0694
Test Statistic	Log Odds Ratio
Reference Proportions	Alt Ref
Max Sample Size	1997.764
Expected Sample Size (Null Ref)	1997.764
Expected Sample Size (Alt Ref)	1997.764

Sample Sizes (N)
Two-Sample Log Odds Ratio Test for Proportion Difference

	Fractional N				*Ceiling N*			
*_Stage_*	*N*	*N(Grp 1)*	*N(Grp 2)*	*Information*	*N*	*N(Grp 1)*	*N(Grp 2)*	*Information*
1	1997.76	998.88	998.88	38.2348	1998	999	999	38.2393

The SEQDESIGN Procedure
Design: TwoSidedOBrienFleming

Design Information	
Statistic Distribution	Normal
Boundary Scale	p-Value
Alternative Hypothesis	Two-Sided
Early Stop	Accept(Nonbinding)/Reject Null
Method	Error Spending
Boundary Key	Both
Alternative Reference	-0.45308
Number of Stages	3
Alpha (Binding Beta Boundary)	0.04382
Alpha (Nonbinding Beta Boundary)	0.05
Beta	0.2
Power	0.8
Max Information (Percent of Fixed Sample)	111.295
Max Information	42.55357
Null Ref ASN (Percent of Fixed Sample)	73.76837
Alt Ref ASN (Percent of Fixed Sample)	85.07868

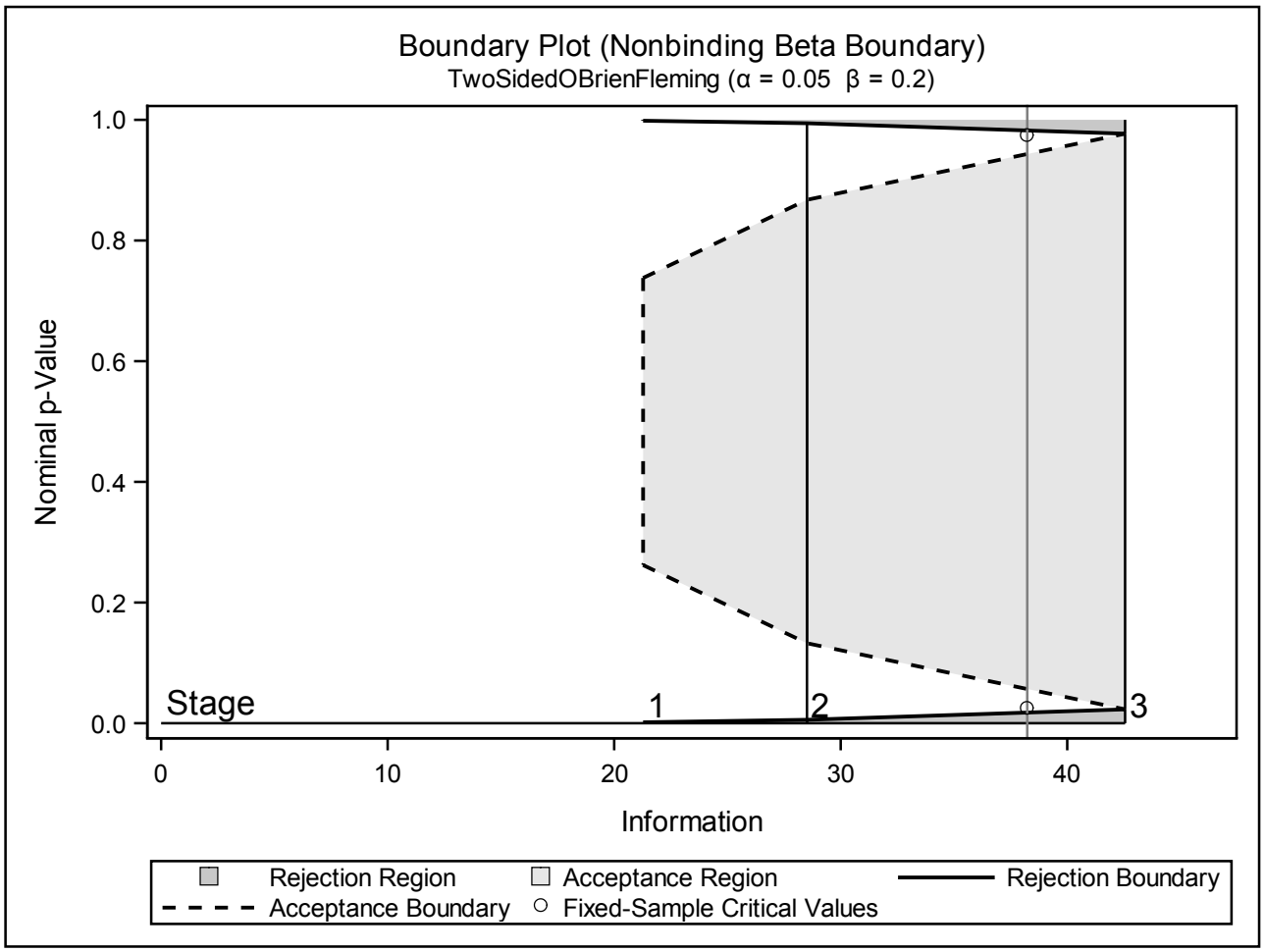
Method Information

				Error Spending		
Boundary	*Method*	*Alpha*	*Beta*	*Function*	*Alternative Reference*	*Drift*
Upper Alpha	Error Spending	0.02500	.	Approx O'Brien-Fleming	0.453079	2.955577
Upper Beta	Error Spending	.	0.20000	Approx O'Brien-Fleming	0.453079	2.955577
Lower Beta	Error Spending	.	0.20000	Approx O'Brien-Fleming	-0.45308	-2.95558
Lower Alpha	Error Spending	0.02500	.	Approx O'Brien-Fleming	-0.45308	-2.95558

Boundary Information (p-Value Scale)
Nonbinding Beta Boundary, Null Reference = 0

				Alternative Reference		*Boundary Values*			
	Information Level					*Lower*		*Upper*	
*_Stage_*	*Proportion*	*Actual*	*N*	*Lower*	*Upper*	*Alpha*	*Beta*	*Beta*	*Alpha*
1	0.5000	21.27679	1111.709	-2.08991	2.08991	0.00153	0.26207	0.73793	0.99847
2	0.6700	28.51089	1489.69	-2.41924	2.41924	0.00570	0.13255	0.86745	0.99430
3	1.0000	42.55357	2223.418	-2.95558	2.95558	0.02301	0.02301	0.97699	0.97699

The SEQDESIGN Procedure
Design: TwoSidedOBrienFleming



Error Spending Information (Nonbinding Beta Boundary)

		Cumulative Error Spending			
	Information Level	Lower		Upper	
Stage	Proportion	Alpha	Beta	Beta	Alpha
1	0.5000	0.00153	0.06993	0.06993	0.00153
2	0.6700	0.00617	0.11743	0.11743	0.00617
3	1.0000	0.02500	0.20000	0.20000	0.02500

Sample Size Summary

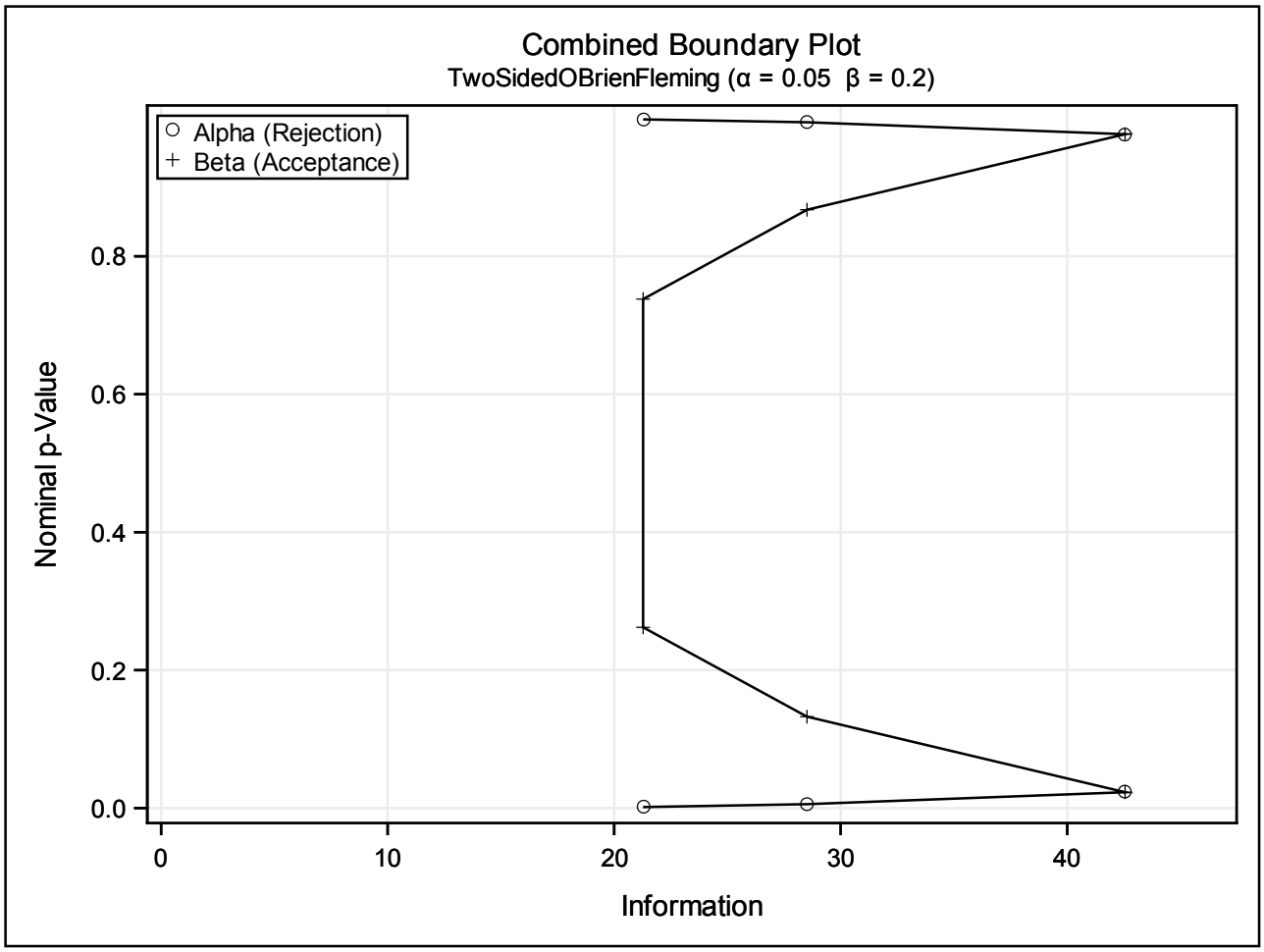
Test	Two-Sample Proportions
Null Proportion	0.105
Proportion (Group A)	0.0694
Test Statistic	Log Odds Ratio
Reference Proportions	Alt Ref
Max Sample Size	2223.418
Expected Sample Size (Null Ref)	1473.722
Expected Sample Size (Alt Ref)	1699.676

The SEQDESIGN Procedure
Design: TwoSidedOBrienFleming

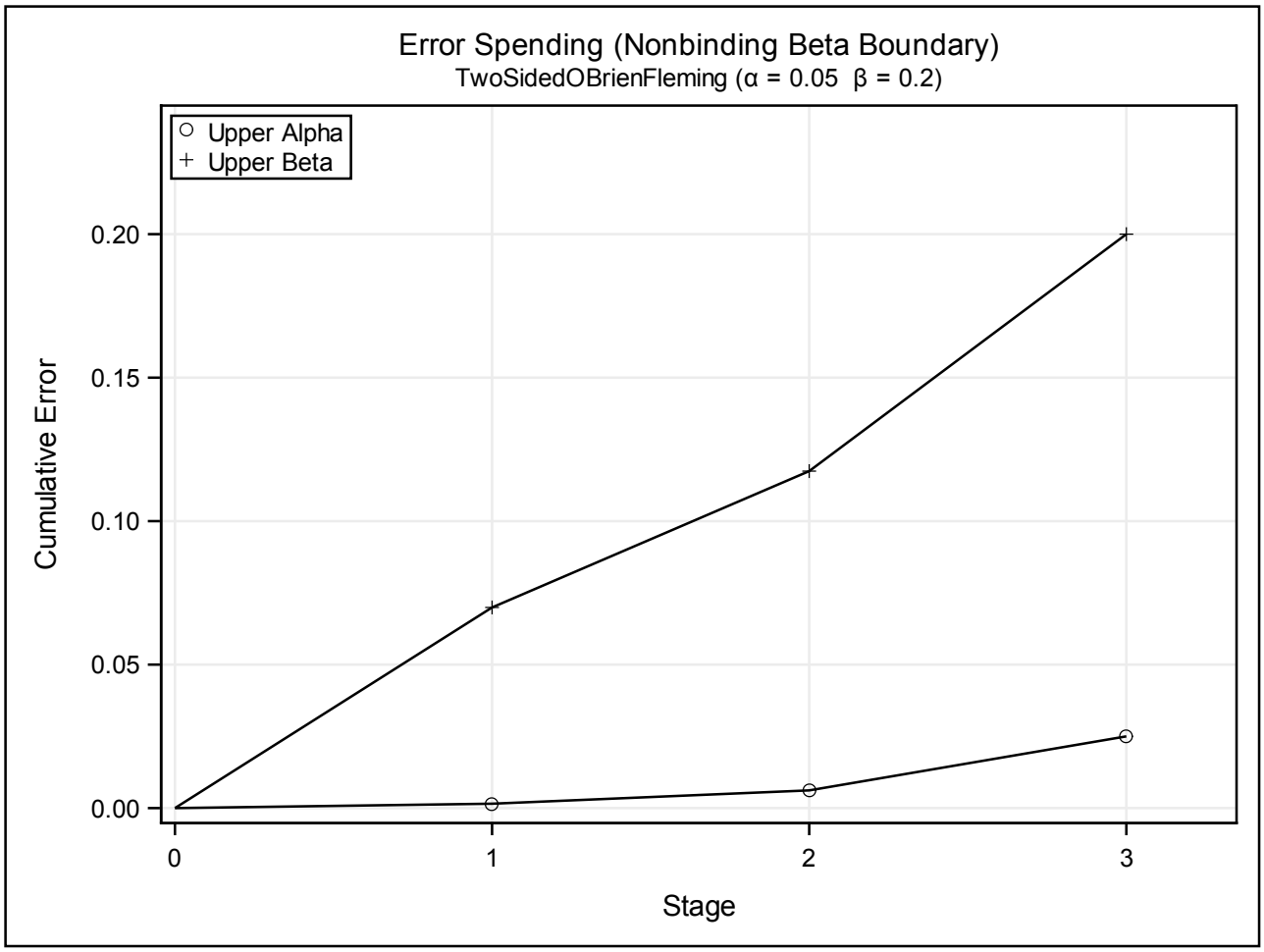
Sample Sizes (N)
Two-Sample Log Odds Ratio Test for Proportion Difference

	Fractional N				Ceiling N			
Stage	N	N(Grp 1)	N(Grp 2)	Information	N	N(Grp 1)	N(Grp 2)	Information
1	1111.71	555.85	555.85	21.2768	1112	556	556	21.2824
2	1489.69	744.84	744.84	28.5109	1490	745	745	28.5168
3	2223.42	1111.71	1111.71	42.5536	2224	1112	1112	42.5647

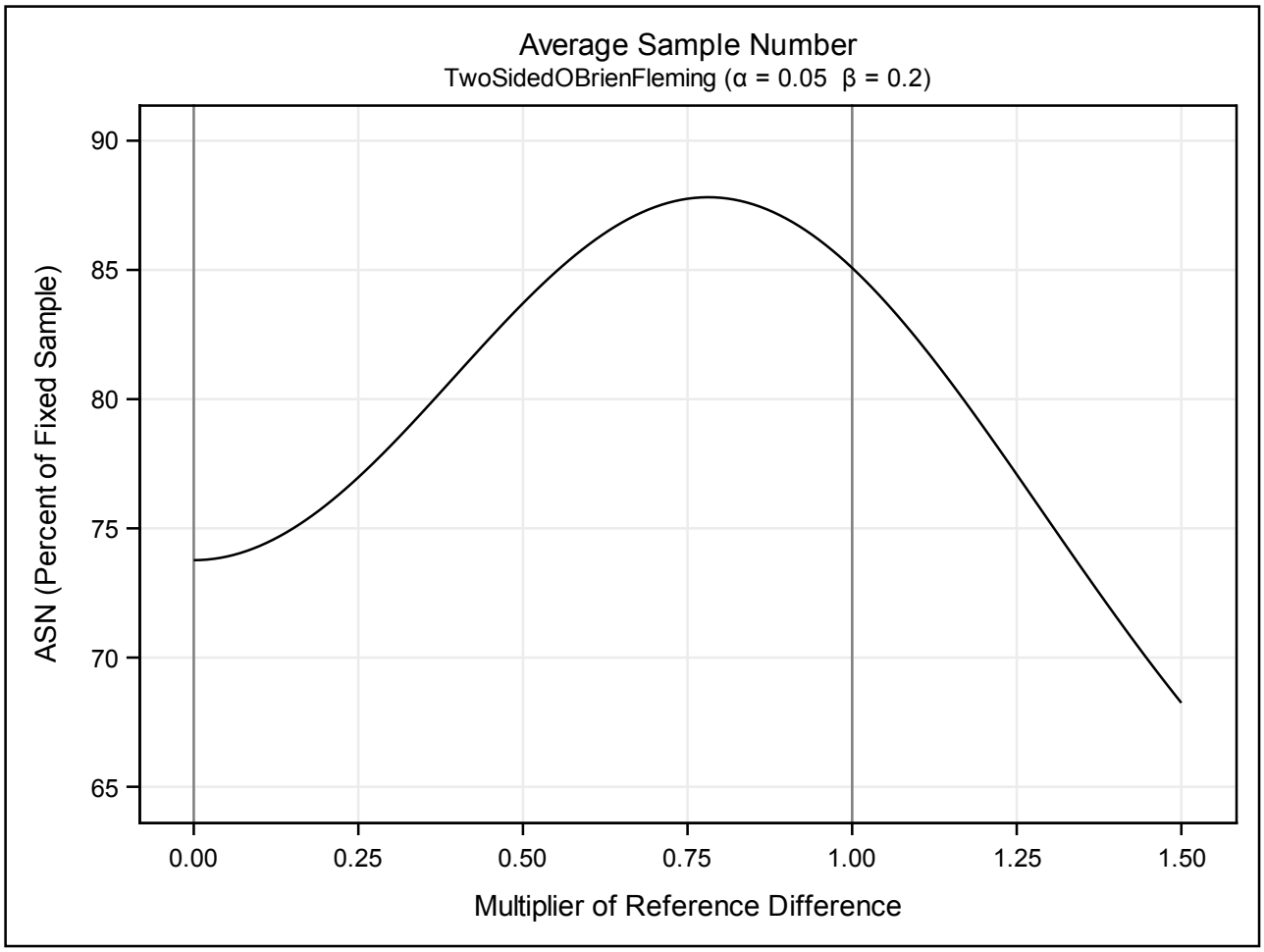
The SEQDESIGN Procedure



The SEQDESIGN Procedure



The SEQDESIGN Procedure



The SEQDESIGN Procedure