

SUBROUTINE COMP

Description

This subroutine performs population reduction by removing one complex.

Calling Sequence

CALL COMP (NOPT, NPT1, NGS1, NGS2, NPG, X, XF, CX, CF)

Argument List

<u>Variable</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
NOPT	Input	I	1	Number of parameters to be optimized.
NPT1	Input	I	1	Number of points in the population.
NGS1	Input	I	1	Number of complexes in the population before population reduction.
NGS2	Input	I	1	Number of complexes in the population after population reduction.
NPG	Input	I	1	Number of points in the complex.
X	Both	R	NOPT*NPT1	Matrix which holds all points in the population before population reduction.
XF	Both	R	NPT1	Array which holds all criterion values corresponding to X matrix.
CX	Both	R	NOPT*NPT2 (NPT2 = NGS2*NPG)	Intermediate matrix used in performing population reduction.
CF	Both	R	NPT2	Intermediate array used in performing population reduction.