Description

Subroutine FILL26 is a reservoir regulation scheme that permits the
reservoir to fill until a specified elevation is reached and then
inflow will be passed until the maximum possible discharge is
exceeded.

Calling Sequence

CALL FILL26 (STOR,ELEV,PEAKO,PKPOS,O,SOH,OH,HS,TOTALQ,QGEN,WORK)

Argument List

Argument	Input/ Output	Type	Dimension	Description
STOR	Input	R*4	NSE	Pool storages for elevation versus storage relation
ELEV	Input	R*4	NSE	Pool elevations for elevation versus storage relation
PEAKO	Output	R*4	NUMPKO	Array of peak outflows above a specified test value that occurs between outflows at regular time intervals; these peak values will be substituted in the outflow time series by the supervisory execution routine after all outflow values have been computed; PEAKO array is applicable only if the number of routing time steps in the time interval is greater than one
PKPOS	Output	R*4	NUMPKO	Array of position numbers that indicate where the corresponding PEAKO values will be placed in the instantaneous outflow time series
O	Input	R*4	NOSOH	Discharge values for spillway discharge versus storage above spillway crest plus discharge/2 relation; sluice discharges and storage above sluice invert will be used if routing is through sluiceway
SOH	Input	R*4	NOSOH	Storage above spillway crest plus

Argument	Input/Output	Type	Dimension	Description
				spillway discharge/2 values for 0 versus SOH relation
OH	Input	R*4	NOHS	Discharge values for spillway rating
HS	Input	R*4	NOHS	Elevations for spillway rating
TOTALQ	Input	R*4	NQGEN	Array of total dam discharges for the total discharge versus maximum generation discharge relation; this relation assumes an uncontrolled spillway and penstocks except when penstocks are closed due to a minimum head for generation
QGEN	Input	R*4	NQGEN	Maximum generation discharges for TOTALQ versus QGEN relation
WORK	--	R*4	NOSOH	Work array

Dimension variables are in common blocks RESV26 and ROOT26.