5/5/71

SPACE COMMAND IN CMD

SPACE P1 P2 P3 P4

Context of each param is datum.
Trailing params may be ommitted.
Order of params is:

- swapped ecs space
- fixed ecs space
- mot slots
- temp disk space

Currently

Only first 2 space types enforced.

For each param, form right to left, following is done:

if = -1, all space above nominal for this type is released.
if = 0, ignored.
if ≥ 0, a) if space above nominal for that type or higher
types has been obtained, error. (Order of types,
from higher to lower is as in the command, swapped
ecs is highest and temp disk space is lowest.)
b) if param is greater than max permitted for this
type, error.
c) if param is greater than max moderate request for this
type, wait in line. Only one process may hold space
over the max moderate size at one time. (for
any one given type)
d) if param is less or equal to nominal, no further action.
e) otherwise, wait in line to collect space to bring
amount held by this process of that type up to
size of parameter.

NOTE: on return from a subprocess call, or on a PURGE, all space above
nominal for swapped ecs, fixed ecs, and mot slots is released.

(PURGE is automatic on return from a subprocess call)