

A
math-
e-
mat-
i-
cal
mod-
el-
ing
for
the
stowage
plan-
ning
prob-
lem

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Abstract
We

con-
sider
the
cargo
load-
ing
of
a
car
car-
rier,
which
loads
cars
from
one
port
through
sev-
eral
ports
and
un-
loads
them
at
sev-
eral
ports.
Two
kinds
of
op-
er-
a-
tions
called
"stowage
plan-
ning"
and
"sim-
u-
la-
tion"
are
car-
ried
out