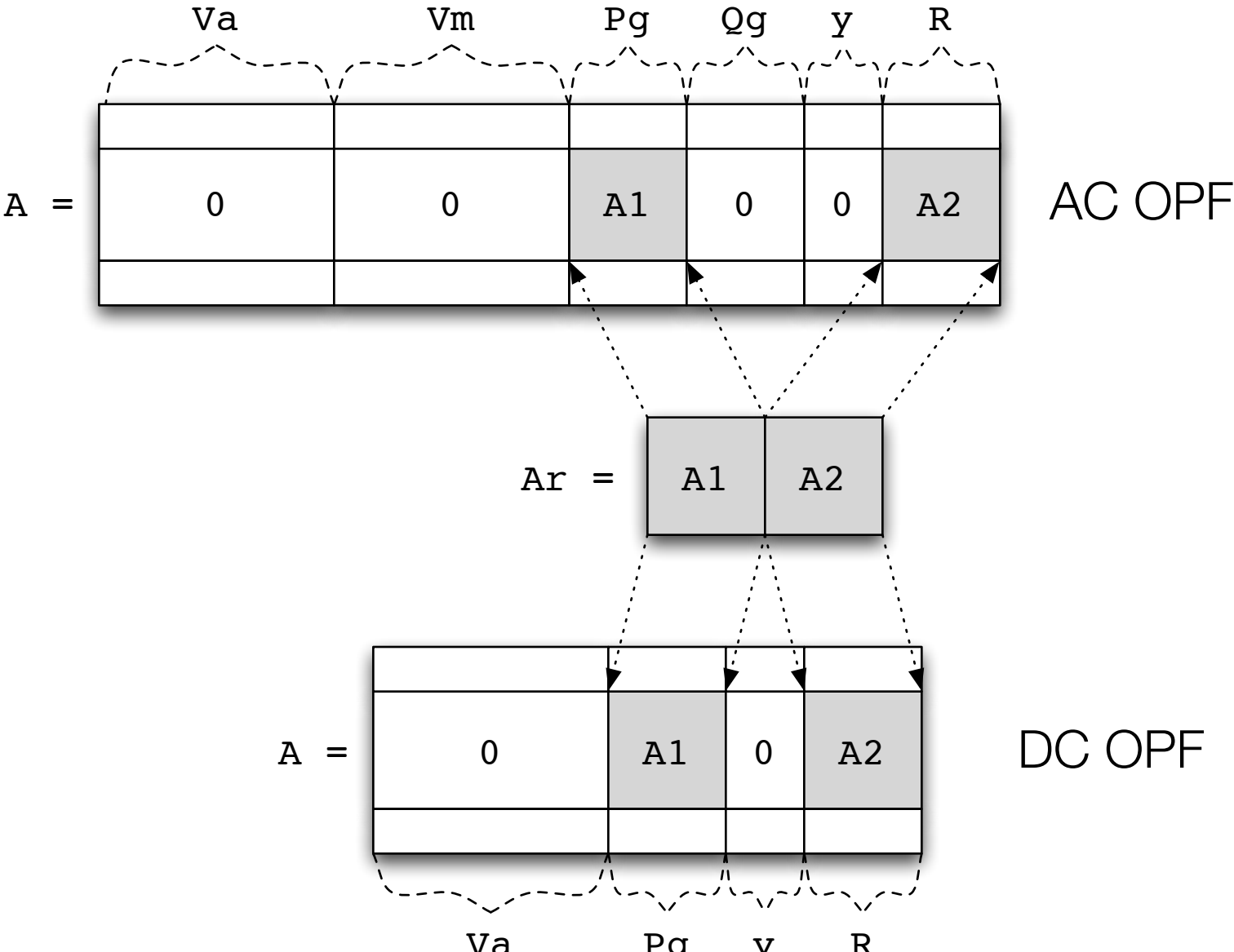
Va
Vm
Pg
Qg
y
R
A =
0
0
A1
0
0
A2
AC OPF
Ar =
A1
A2
A =
0
A1
0
A2
DC OPF
Va
Pg
y
R