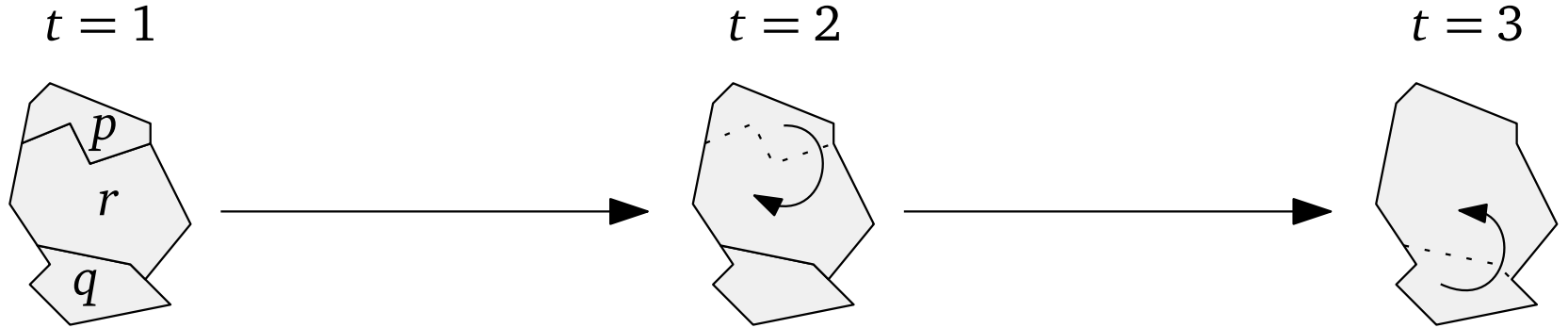


$x_{1,p,r} = 0 \quad x_{1,q,r} = 0$

$x_{2,p,r} = 1 \quad x_{2,q,r} = 0$

$y_{2,p,p,r} = 1 \quad y_{2,q,q,r} = 0$

$z_{2,p,r,r} = 1 \quad z_{2,q,r,r} = 0$

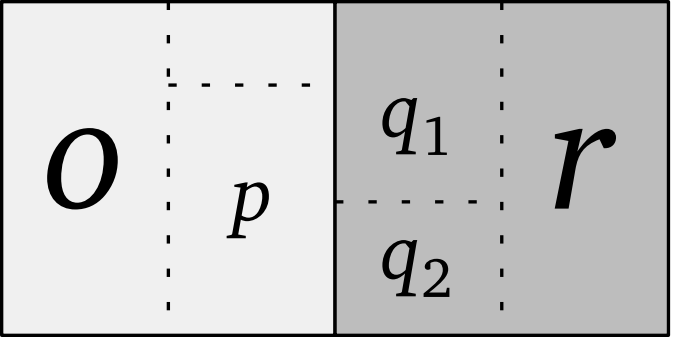
$x_{3,p,r} = 1 \quad x_{3,q,r} = 1$

$y_{3,p,p,r} = 0 \quad y_{3,q,q,r} = 1$

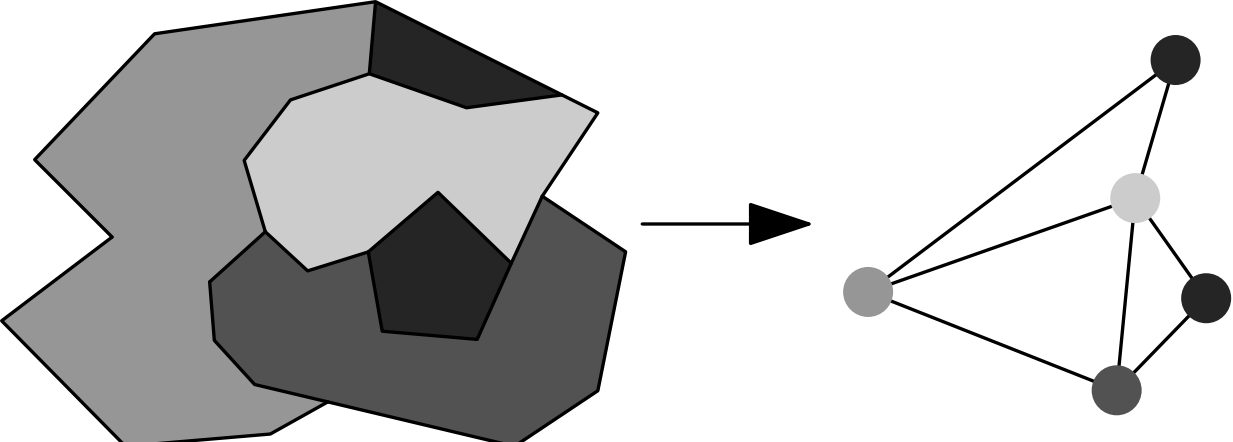
$c_{1,p,p,r} = 1 \quad c_{1,p,p,q} = 0$

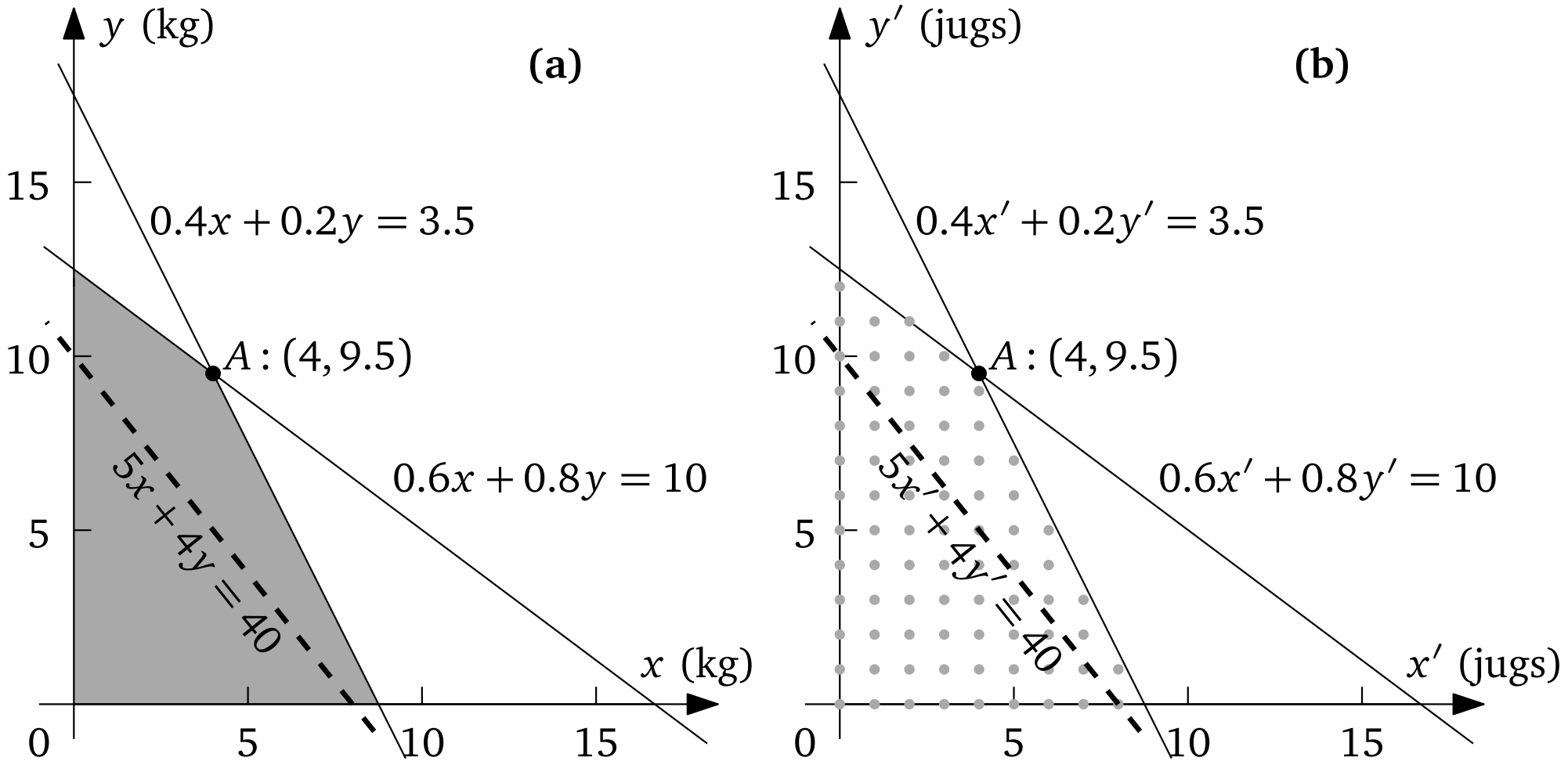
$w_{1,p} = 1 \quad w_{1,q} = 0$

$w_{2,p} = 0 \quad w_{2,q} = 1$



$$c_{t,p,o,r} = 1$$


Subdivision
Graph G_A


y (kg)
(a)
15
10
5
0
5
10
15
x (kg)
0.4x + 0.2y = 3.5
A : (4, 9.5)
0.6x + 0.8y = 10
5x + 4y = 40
y′ (jugs)
(b)
15
10
5
0
5
10
15
x′ (jugs)
0.4x′ + 0.2y′ = 3.5
A : (4, 9.5)
0.6x′ + 0.8y′ = 10
5x′ + 4y′ = 40