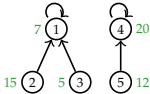


u	1	2	3	4	5
f[u]	1	1	1	4	4
x[u]	7	15	5	20	12
y[u]	$\infty$	$\infty$	$\infty$	$\infty$	$\infty$



↑ assign(y, f, x, min)

for u in [1..5] do

$y[f[u]] = \min(y[f[u]], x[u])$

y=[5,  $\infty$ ,  $\infty$ , 12,  $\infty$ ]

↓ extract(y, f, x)

for u in [1..5] do

$y[u] = x[f[u]]$

y=[7, 7, 7, 20, 20]