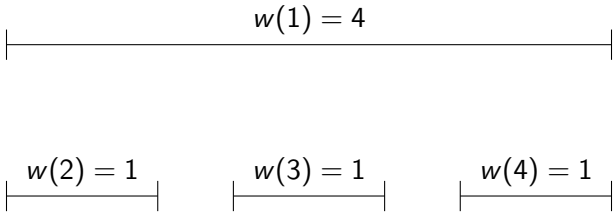
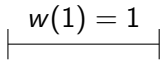
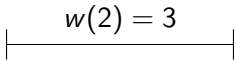
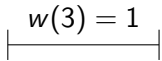
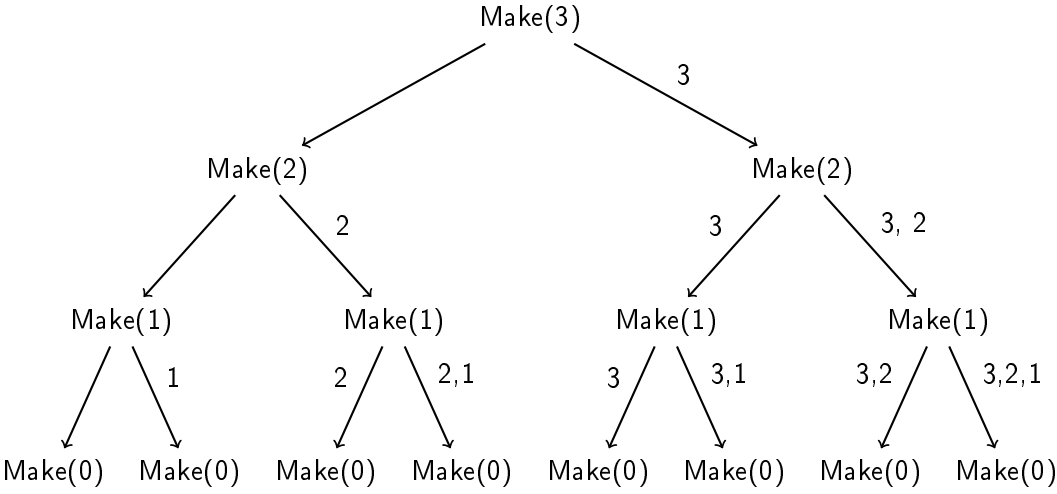
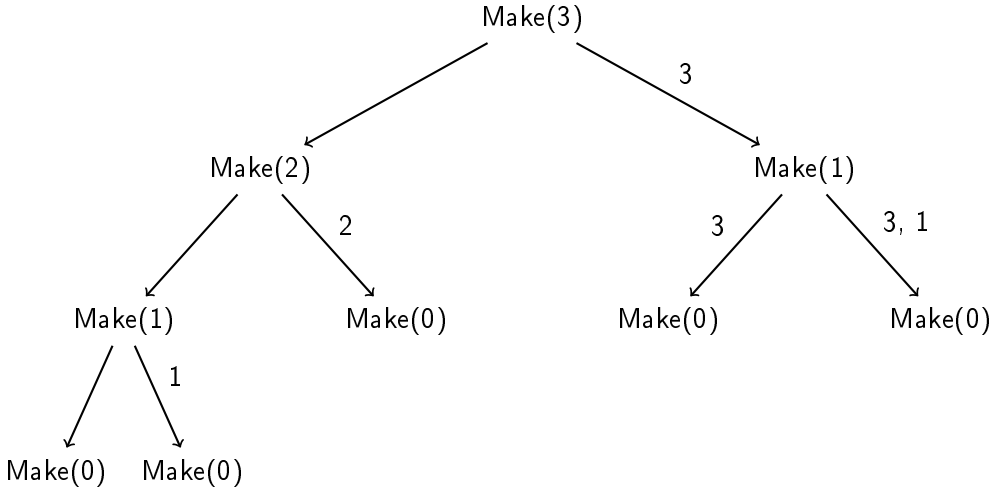

$w(1) = 4$
$w(2) = 1$
$w(3) = 1$
$w(4) = 1$

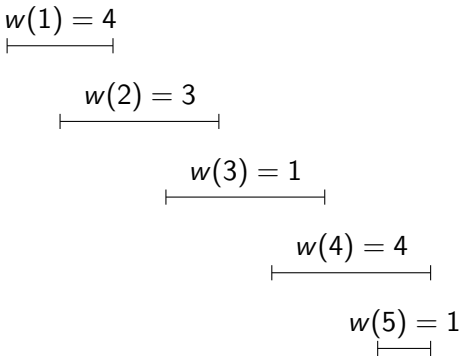

$w(1) = 1$

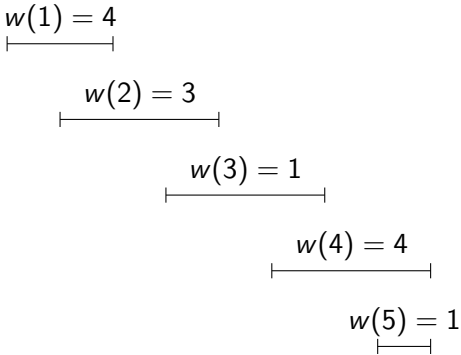

$w(2) = 3$

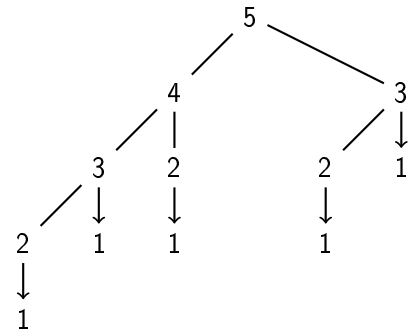

$w(3) = 1$

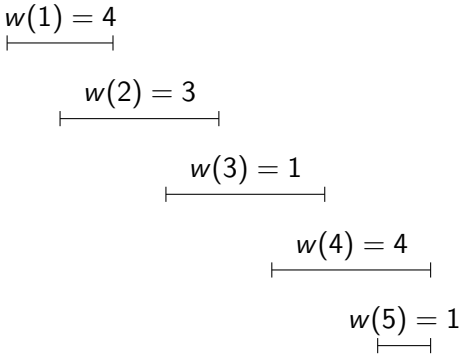

Make(3)
3
Make(2)
Make(2)
2
3
3, 2
Make(1)
Make(1)
Make(1)
Make(1)
1
2
2,1
3
3,1
3,2
3,2,1
Make(0)
Make(0)
Make(0)
Make(0)
Make(0)
Make(0)
Make(0)
Make(0)

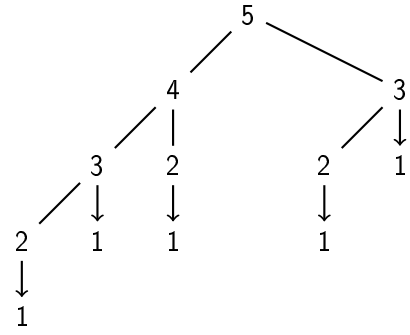

Make(3)
3
Make(2)
Make(1)
2
3
3, 1
Make(1)
Make(0)
Make(0)
Make(0)
1
Make(0)
Make(0)


$w(1) = 4$
$w(2) = 3$
$w(3) = 1$
$w(4) = 4$
$w(5) = 1$

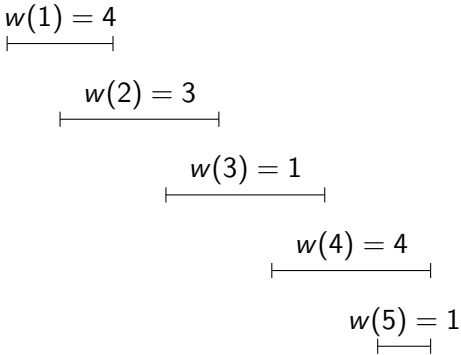

$w(1) = 4$
$w(2) = 3$
$w(3) = 1$
$w(4) = 4$
$w(5) = 1$


5
4
3
3
2
2
1
2
1
1
1
1
1



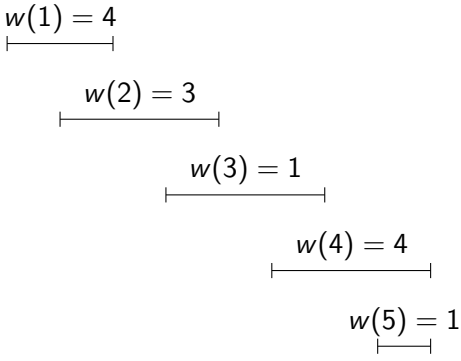


$$OPT(k) = \max \begin{cases} OPT(k-1) \\ w(k) + OPT(p(k)) \end{cases}$$



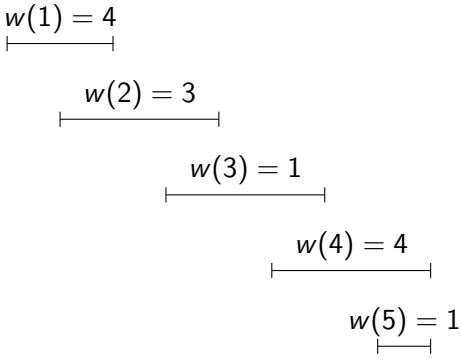
$$OPT(k) = \max \begin{cases} OPT(k-1) \\ w(k) + OPT(p(k)) \end{cases}$$

k	1	2	3	4	5
w(k)	4	3	1	5	1
OPT(k)					



$$OPT(k) = \max \begin{cases} OPT(k-1) \\ w(k) + OPT(p(k)) \end{cases}$$

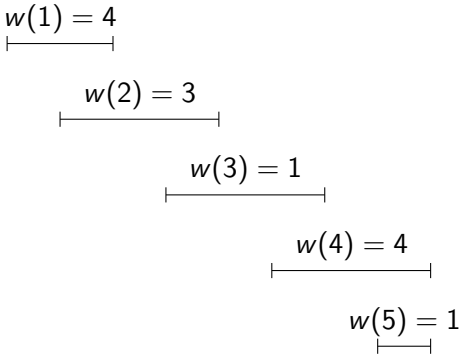
k	1	2	3	4	5
w(k)	4	3	1	5	1
OPT(k)	4				



$$OPT(k) = \max \begin{cases} OPT(k-1) \\ w(k) + OPT(p(k)) \end{cases}$$

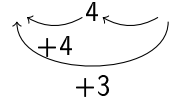
k	1	2	3	4	5
w(k)	4	3	1	5	1
OPT(k)	4				

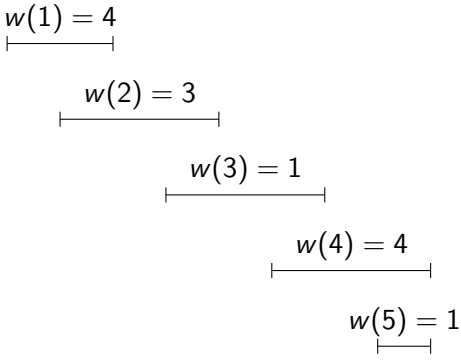
+4



$$OPT(k) = \max \begin{cases} OPT(k-1) \\ w(k) + OPT(p(k)) \end{cases}$$

k	1	2	3	4	5
w(k)	4	3	1	5	1
OPT(k)	4				

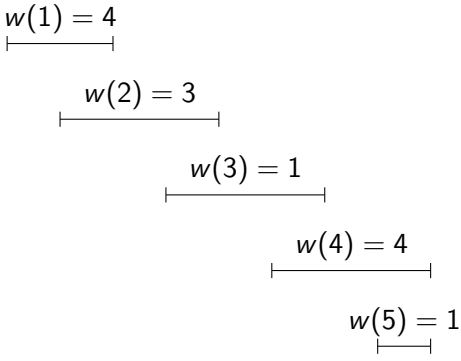




$$OPT(k) = \max \begin{cases} OPT(k-1) \\ w(k) + OPT(p(k)) \end{cases}$$

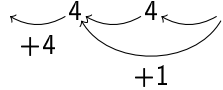
k	1	2	3	4	5
w(k)	4	3	1	5	1
OPT(k)	4	4			

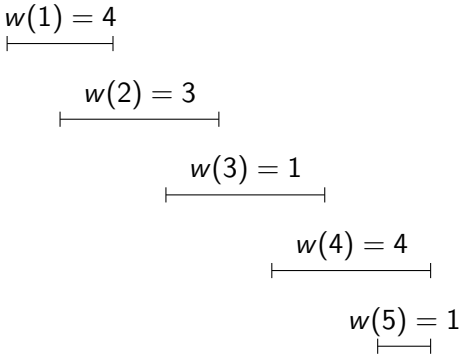
+4



$$OPT(k) = \max \begin{cases} OPT(k-1) \\ w(k) + OPT(p(k)) \end{cases}$$

k	1	2	3	4	5
w(k)	4	3	1	5	1
OPT(k)	4	4			



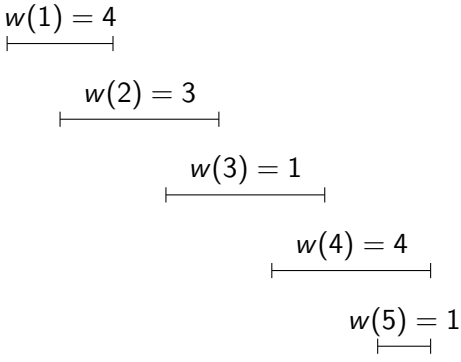


$$OPT(k) = \max \begin{cases} OPT(k-1) \\ w(k) + OPT(p(k)) \end{cases}$$

k	1	2	3	4	5
w(k)	4	3	1	5	1
OPT(k)	4	4	5		

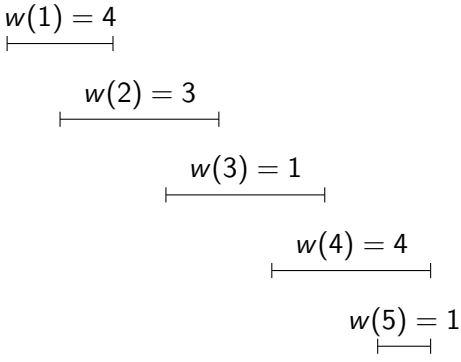
+4

+1



$$OPT(k) = \max \begin{cases} OPT(k-1) \\ w(k) + OPT(p(k)) \end{cases}$$

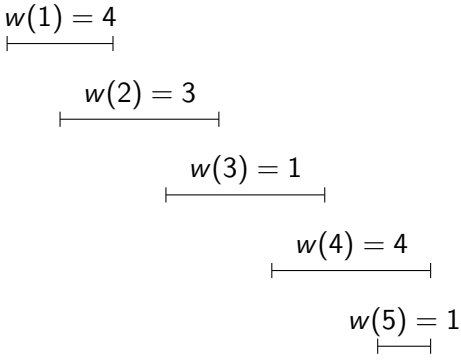
k	1	2	3	4	5
w(k)	4	3	1	5	1
OPT(k)	4	4	5		



$$OPT(k) = \max \begin{cases} OPT(k-1) \\ w(k) + OPT(p(k)) \end{cases}$$

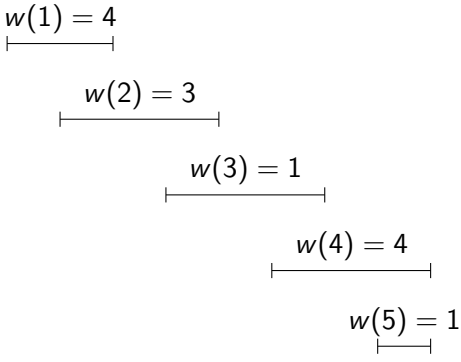
k	1	2	3	4	5
w(k)	4	3	1	5	1
OPT(k)	4	4	5	8	

+4 +1 +4



$$OPT(k) = \max \begin{cases} OPT(k-1) \\ w(k) + OPT(p(k)) \end{cases}$$

k	1	2	3	4	5
w(k)	4	3	1	5	1
OPT(k)	4	4	5	8	



$$OPT(k) = \max \begin{cases} OPT(k-1) \\ w(k) + OPT(p(k)) \end{cases}$$

k	1	2	3	4	5
w(k)	4	3	1	5	1
OPT(k)	4	4	5	8	8

+4 +1 +4