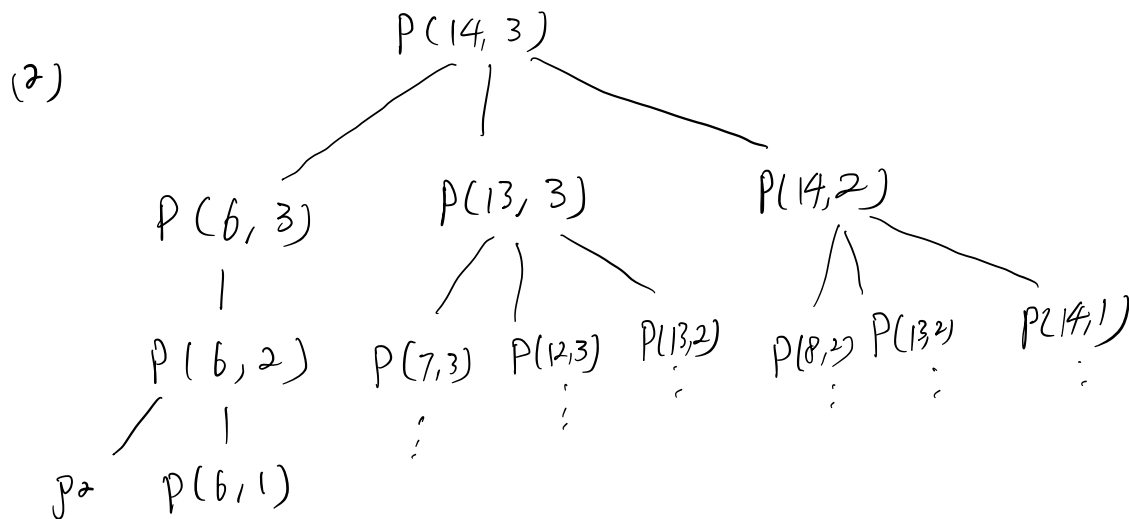


$$(1) \quad p(0, 1) = 0 \quad p(c, 1) = 0 \quad \text{for } c < w_1$$

$$p(w_1, 1) = p_1$$

$$p(c, i) = \begin{cases} p(c, i-1) & c < w_i \\ \max(p_i, p(c, i-1)) & c = w_i \\ \max(p(c-w_i, i) + p_i, p(c-1, i), p(c, i-1)) & c > w_i \end{cases}$$

	(a)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
(4,7)	1	0	0	0	0	7	7	7	7	14	14	14	14	21	21	21
(6,6)	2	0	0	0	0	7	7	7	7	14	14	14	14	21	21	21
(8,9)	3	0	0	0	0	7	7	7	7	14	14	14	14	21	21	21



	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
(5,7)	1	0	0	0	0	0	7	7	7	7	14	14	14	14	14
(6,6)	2	0	0	0	0	0	7	7	7	7	14	14	14	14	14
(8,9)	3	0	0	0	0	0	7	7	7	9	9	14	14	14	16