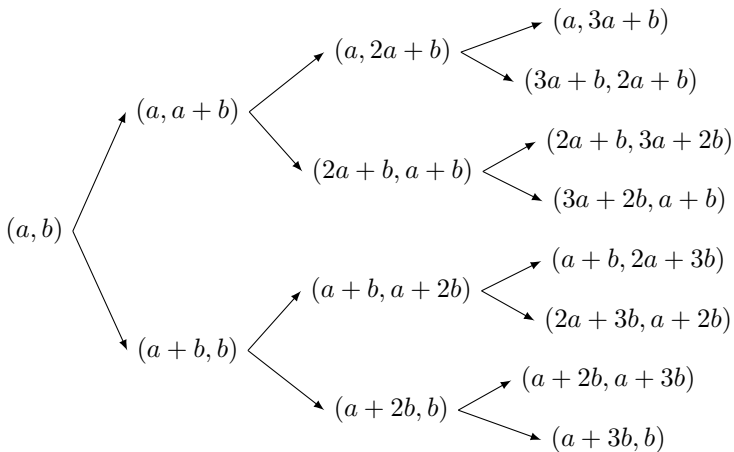
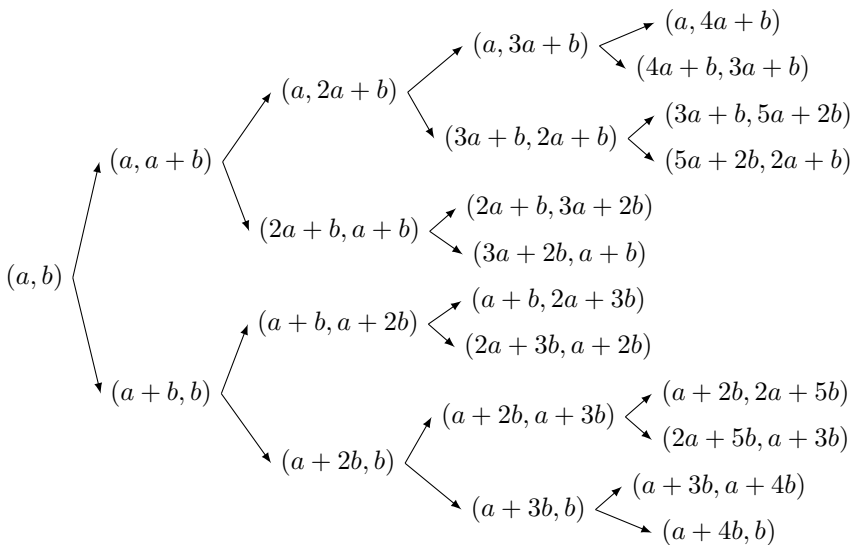


- (10) $P = \{p, q, r, s\}$, $N_P(a) = p$, $N_P(b) = q$, $N_P(a + b) = r$,
 $N_P(a + 2b) = s$, $N_P(2a + b) = s$,
(i) $r \neq 2$.



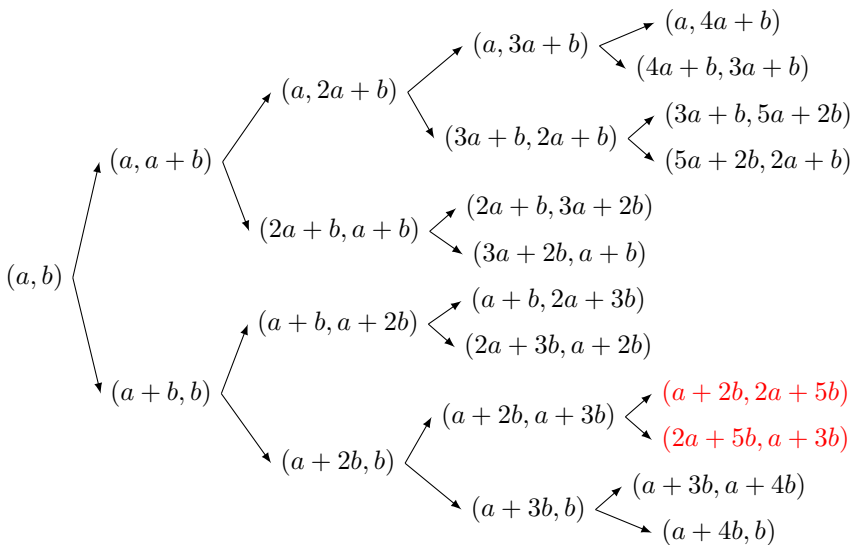
$$\begin{aligned} \text{APT}_P(a, b) = \big\{ & (a, b), (a, a + b), (a + b, b), (a, 2a + b) \\ & (2a + b, a + b), (a + b, a + 2b), (a + 2b, b), \\ & (a, 3a + b), (3a + b, 2a + b), (2a + b, 3a + 2b), \\ & (3a + 2b, a + b), (a + b, 2a + 3b), (2a + 3b, a + 2b), \\ & (a + 2b, a + 3b), (a + 3b, b) \big\}. \end{aligned}$$

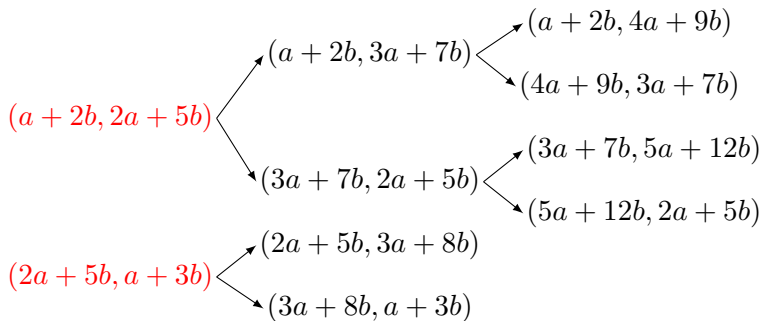
- (10) $P = \{p, q, r, s\}$, $N_P(a) = p$, $N_P(b) = q$, $N_P(a + b) = r$,
 $N_P(a + 2b) = s$, $N_P(2a + b) = s$,
(ii) $p, q \neq 5$, $r = 2$.



$$\begin{aligned} \text{APT}_P(a, b) = \big\{ & (a, b), (a, a + b), (a + b, b), (a, 2a + b) \\ & (2a + b, a + b), (a + b, a + 2b), (a + 2b, b), \\ & (a, 3a + b), (3a + b, 2a + b), (2a + b, 3a + 2b), \\ & (3a + 2b, a + b), (a + b, 2a + 3b), (2a + 3b, a + 2b), \\ & (a + 2b, a + 3b), (a + 3b, b), (a, 4a + b), \\ & (4a + b, 3a + b), (3a + b, 5a + 2b), (5a + 2b, 2a + b), \\ & (a + 2b, 2a + 5b), (2a + 5b, a + 3b), (a + 3b, a + 4b), \\ & (a + 4b, b) \big\}. \end{aligned}$$

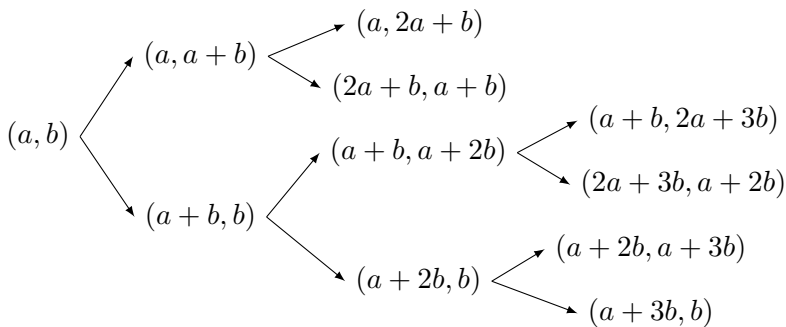
- (10) $P = \{p, q, r, s\}$, $N_P(a) = p$, $N_P(b) = q$, $N_P(a + b) = r$,
 $N_P(a + 2b) = s$, $N_P(2a + b) = s$,
 (iii) $p = 5$, $r = 2$.





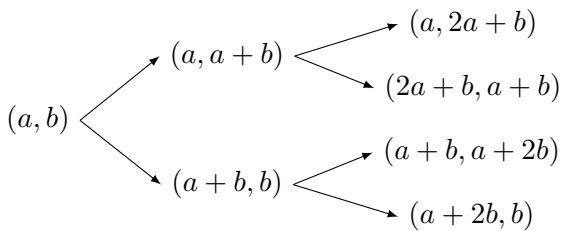
$$\begin{aligned}
\text{APT}_P(a, b) = \big\{ & (a, b), (a, a + b), (a + b, b), (a, 2a + b) \\
& (2a + b, a + b), (a + b, a + 2b), (a + 2b, b), \\
& (a, 3a + b), (3a + b, 2a + b), (2a + b, 3a + 2b), \\
& (3a + 2b, a + b), (a + b, 2a + 3b), (2a + 3b, a + 2b), \\
& (a + 2b, a + 3b), (a + 3b, b), (a, 4a + b), \\
& (4a + b, 3a + b), (3a + b, 5a + 2b), (5a + 2b, 2a + b), \\
& (a + 2b, 2a + 5b), (2a + 5b, a + 3b), (a + 3b, a + 4b), \\
& (a + 4b, b), (a + 2b, 3a + 7b), (3a + 7b, 2a + 5b), \\
& (2a + 5b, 3a + 8b), (3a + 8b, a + 3b), (a + 2b, 4a + 9b), \\
& (4a + 9b, 3a + 7b), (3a + 7b, 5a + 12b), (5a + 12b, 2a + 5b) \big\}.
\end{aligned}$$

$$(11) \ P = \{p, q, r, s\}, \ N_P(a) = p, \ N_P(b) = q, \ N_P(a + b) = rs, \\ (p = 2).$$



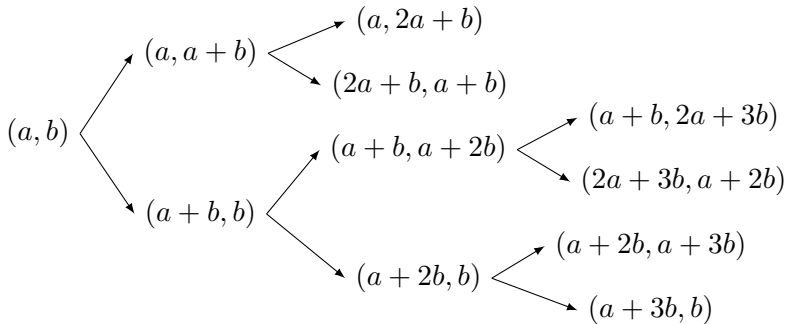
$$\text{APT}_P(a, b) = \left\{ (a, b), (a, a + b), (a + b, b), (a, 2a + b), \right. \\ (2a + b, a + b), (a + b, a + 2b), (a + 2b, b), (a + b, 2a + 3b) \\ \left. (2a + 3b, a + 2b), (a + 2b, a + 3b), (a + 3b, b) \right\}.$$

$$(12) \ P = \{p, q, r, s\}, \ N_P(a) = p, \ N_P(b) = q, \ N_P(a + b) = rs, \\ (p, q \neq 2).$$



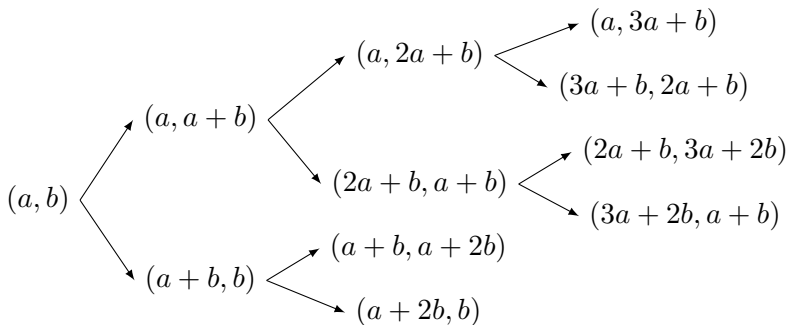
$$\text{APT}_P(a, b) = \left\{ (a, b), (a, a + b), (a + b, b), (a, 2a + b), \right. \\ \left. (2a + b, a + b), (a + b, a + 2b), (a + 2b, b) \right\}.$$

(13) $P = \{p, q, r, s\}$, $N_P(a) = pq$, $N_P(b) = r$, $N_P(a + b) = s$,
 $(p = 2)$.



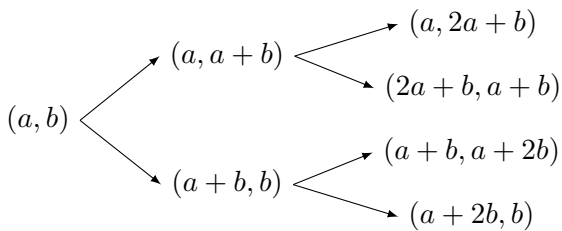
$$\text{APT}_P(a, b) = \left\{ (a, b), (a, a + b), (a + b, b), (a, 2a + b), \right. \\
(2a + b, a + b), (a + b, a + 2b), (a + 2b, b), (a + b, 2a + 3b) \\
\left. (2a + 3b, a + 2b), (a + 2b, a + 3b), (a + 3b, b) \right\}.$$

$$(14) \ P = \{p, q, r, s\}, \ N_P(a) = pq, \ N_P(b) = r, \ N_P(a + b) = s, \\ (r = 2).$$



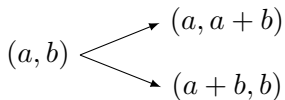
$$\text{APT}_P(a, b) = \left\{ (a, b), (a, a + b), (a + b, b), (a, 2a + b), \right. \\ (2a + b, a + b), (a + b, a + 2b), (a + 2b, b), (a, 3a + b) \\ \left. (3a + b, 2a + b), (2a + b, 3a + 2b), (3a + 2b, a + b) \right\}.$$

$$(15) \ P = \{p, q, r, s\}, \ N_P(a) = pq, \ N_P(b) = r, \ N_P(a + b) = s, \\ (p, q, r \neq 2).$$



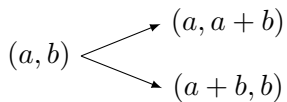
$$\text{APT}_P(a, b) = \left\{ (a, b), (a, a + b), (a + b, b), (a, 2a + b), \right. \\ \left. (2a + b, a + b), (a + b, a + 2b), (a + 2b, b) \right\}.$$

$$(16) \ P = \{p, q, r, s\}, \ N_P(a) = pq, \ N_P(b) = r, \ N_P(a + b) = 1.$$



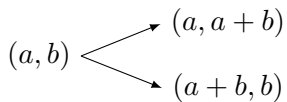
$$\text{APT}_P(a, b) = \left\{ (a, b), \ (a, a + b), \ (a + b, b) \right\}.$$

$$(17) \ P = \{p, q, r, s\}, \ N_P(a) = pq, \ N_P(b) = rs.$$



$$\text{APT}_P(a, b) = \left\{ (a, b), \ (a, a + b), \ (a + b, b) \right\}.$$

$$(18) P = \{p, q, r, s\}, N_P(a) = pqr, N_P(b) = s.$$



$$\text{APT}_P(a, b) = \left\{ (a, b), (a, a + b), (a + b, b) \right\}.$$