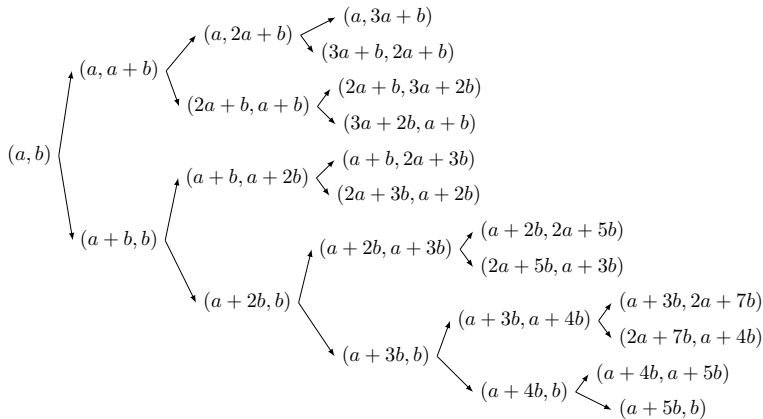


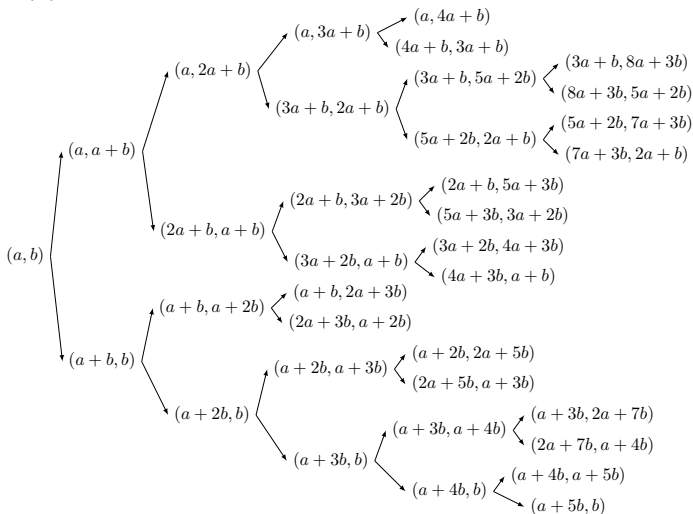
- (4) $P = \{p, q, r, s\}$, $N_P(a) = p$, $N_P(b) = q$, $N_P(a + b) = r$,
 $N_P(a + 3b) = s$, $N_P(2a + b) = s$,
 (i) $p = 2$, $q, r \neq 3$.



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

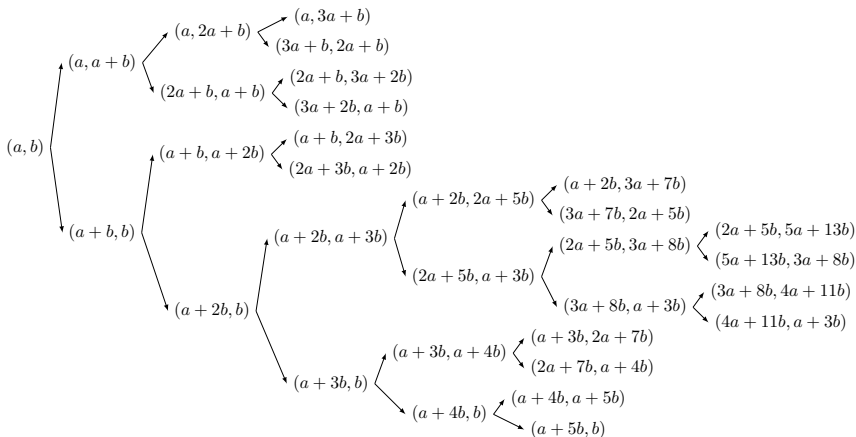
$$(4) \ P = \{p, q, r, s\}, \ N_P(a) = p, \ N_P(b) = q, \ N_P(a + b) = r, \\ N_P(a + 3b) = s, \ N_P(2a + b) = s,$$

$$(ii) \ p = 2, \ q = 3.$$



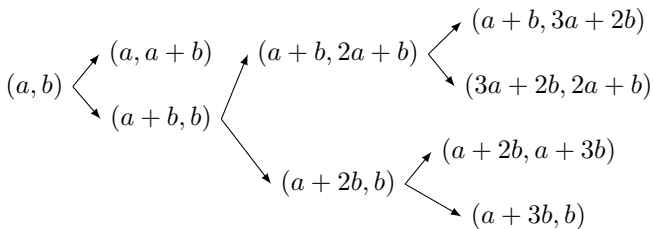
$$\begin{aligned}
\text{APT}_P(a, b) = \{ & (a, b), (a, a + b), (a + b, b), (a, 2a + b) \\
& (2a + b, a + b), (a + b, a + 2b), (a + 2b, b), \\
& (a, 3a + b), (3a + b, 2a + b), (2a + b, 3a + 2b), \\
& (3a + 2b, a + b), (a + b, 2a + 3b), (2a + 3b, a + 2b), \\
& (a + 2b, a + 3b), (a + 3b, b), (a, 4a + b),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

- (4) $P = \{p, q, r, s\}$, $N_P(a) = p$, $N_P(b) = q$, $N_P(a + b) = r$,
 $N_P(a + 3b) = s$, $N_P(2a + b) = s$,
 (iii) $p = 2$, $r = 3$.



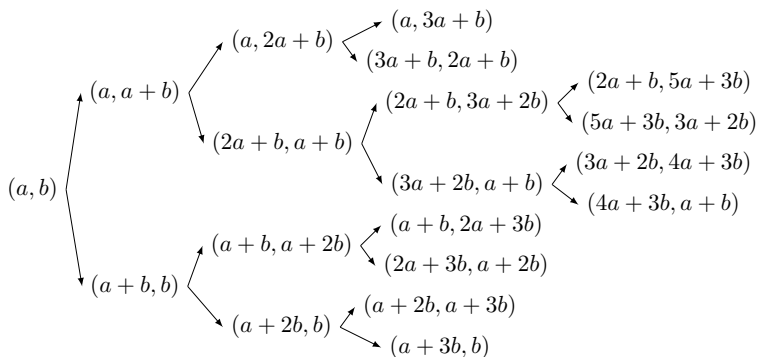
$$\begin{aligned}
 \text{APT}_P(a, b) = \big\{ & (a, b), (a, a + b), (a + b, b), (a, 2a + b) \\
 & (2a + b, a + b), (a + b, a + 2b), (a + 2b, b), \\
 & (a, 3a + b), (3a + b, 2a + b), (2a + b, 3a + 2b), \\
 & (3a + 2b, a + b), (a + b, 2a + 3b), (2a + 3b, a + 2b), \\
 & (a + 2b, a + 3b), (a + 3b, b), (a + 2b, 2a + 5b), \\
 & (2a + 5b, a + 3b), (a + 3b, a + 4b), (a + 4b, b), \\
 & (a + 2b, 3a + 7b), (3a + 7b, 2a + 5b), (2a + 5b, 3a + 8b), \\
 & (3a + 8b, a + 3b), (a + 3b, 2a + 7b), (2a + 7b, a + 4b) \\
 & (a + 4b, a + 5b), (a + 5b, b), (2a + 5b, 5a + 13b), \\
 & (5a + 13b, 3a + 8b), (3a + 8b, 4a + 11b), (4a + 11b, a + 3b) \big\}.
 \end{aligned}$$

$$(5) \ P = \{p, q, r, s\}, \ N_P(a) = p, \ N_P(b) = q, \ N_P(a + b) = r, \\ N_P(a + 2b) = ps, \ N_P(2a + b) = 1.$$



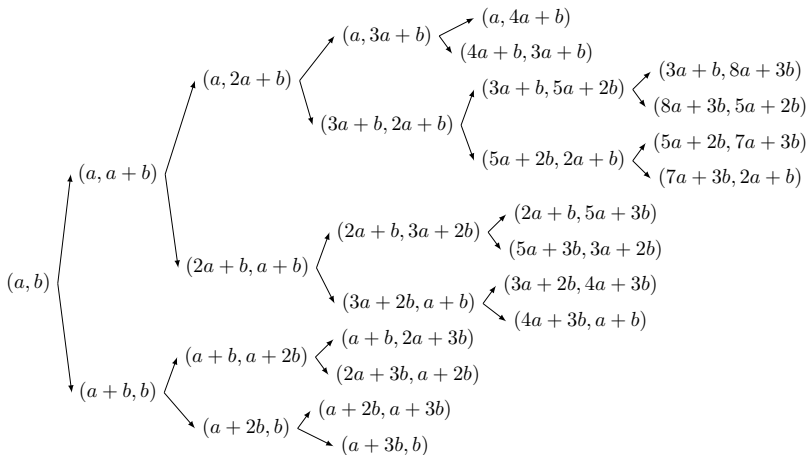
$$\text{APT}_P(a, b) = \left\{ (a, b), (a, a + b), (a + b, b), \right. \\ (a + b, 2a + b), (a + 2b, b), (a + b, 3a + 2b), \\ \left. (3a + 2b, 2a + b), (a + 2b, a + 3b), (a + 3b, b), \right\}.$$

- (6) $P = \{p, q, r, s\}$, $N_P(a) = p$, $N_P(b) = q$, $N_P(a + b) = r$,
 $N_P(2a + b) = s$, $N_P(a + 3b) = 1$,
 (i) $p = 2$, $q \neq 3, 5$.



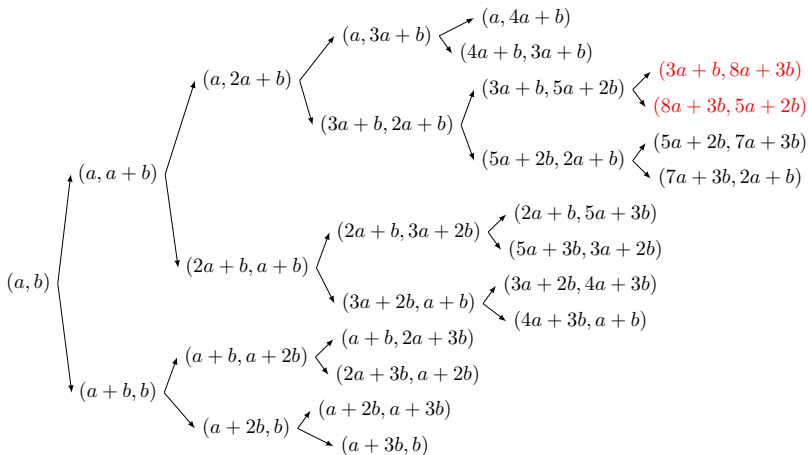
$$\begin{aligned} \text{APT}_P(a, b) = \big\{ & (a, b), (a, a + b), (a + b, b), (a, 2a + b) \\ & (2a + b, a + b), (a + b, a + 2b), (a + 2b, b), \\ & (a, 3a + b), (3a + b, 2a + b), (2a + b, 3a + 2b), \\ & (3a + 2b, a + b), (a + b, 2a + 3b), (2a + 3b, a + 2b), \\ & (a + 2b, a + 3b), (a + 3b, b), (2a +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

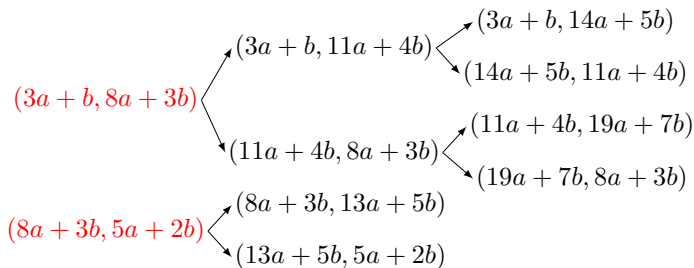
- (6) $P = \{p, q, r, s\}$, $N_P(a) = p$, $N_P(b) = q$, $N_P(a + b) = r$,
 $N_P(2a + b) = s$, $N_P(a + 3b) = 1$,
(ii) $p = 2$, $q = 3$, $r \neq 5$.



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

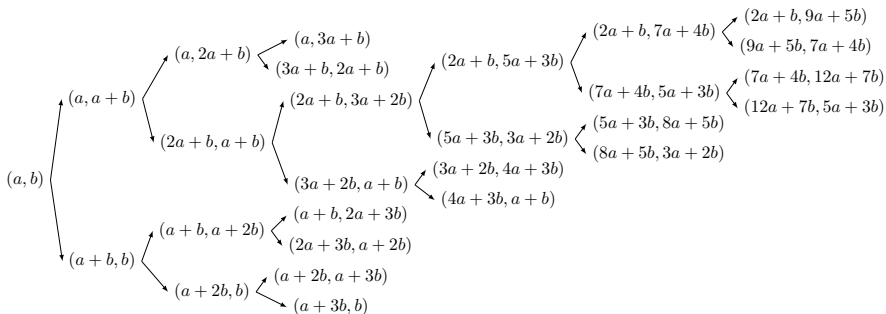
- (6) $P = \{p, q, r, s\}$, $N_P(a) = p$, $N_P(b) = q$, $N_P(a + b) = r$,
 $N_P(2a + b) = s$, $N_P(a + 3b) = 1$,
 (iii) $p = 2$, $q = 3$, $r = 5$.





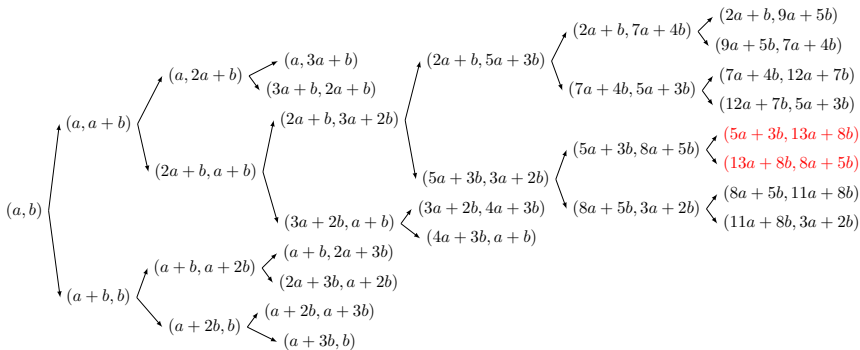
$$\begin{aligned}
\text{APT}_P(a, b) = \{ & (a, b), (a, a + b), (a + b, b), (a, 2a + b) \\
& (2a + b, a + b), (a + b, a + 2b), (a + 2b, b), \\
& (a, 3a + b), (3a + b, 2a + b), (2a + b, 3a + 2b), \\
& (3a + 2b, a + b), (a + b, 2a + 3b), (2a + 3b, a + 2b), \\
& (a + 2b, a + 3b), (a + 3b, b), (a, 4a + b), \\
& (4a + b, 3a + b), (3a + b, 5a + 2b), (5a + 2b, 2a + b), \\
& (2a + b, 5a + 3b), (5a + 3b, 3a + 2b), (3a + 2b, 4a + 3b), \\
& (4a + 3b, a + b), (3a + b, 8a + 3b), (8a + 3b, 5a + 2b), \\
& (5a + 2b, 7a + 3b), (7a + 3b, 2a + b), (3a + b, 11a + 4b), \\
& (11a + 4b, 8a + 3b), (8a + 3b, 13a + 5b), (13a + 5b, 5a + 2b), \\
& (3a + b, 14a + 5b), (14a + 5b, 11a + 4b), \\
& (11a + 4b, 19a + 7b), (19a + 7b, 8a + 3b) \}.
\end{aligned}$$

- (6) $P = \{p, q, r, s\}$, $N_P(a) = p$, $N_P(b) = q$, $N_P(a + b) = r$,
 $N_P(2a + b) = s$, $N_P(a + 3b) = 1$,
 (iv) $p = 2$, $q = 5$, $r \neq 3$.



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

- (6) $P = \{p, q, r, s\}$, $N_P(a) = p$, $N_P(b) = q$, $N_P(a + b) = r$,
 $N_P(2a + b) = s$, $N_P(a + 3b) = 1$,
 (v) $p = 2$, $q = 5$, $r = 3$.



$$(5a + 3b, 13a + 8b) \begin{cases} \nearrow (5a + 3b, 18a + 11b) \\ \searrow (18a + 11b, 13a + 8b) \end{cases}$$

$$(13a + 8b, 8a + 5b) \begin{cases} \nearrow (13a + 8b, 21a + 13b) \\ \searrow (21a + 13b, 8a + 5b) \end{cases}$$

$$\begin{aligned}
\text{APT}_P(a, b) = \big\{ & (a, b), (a, a + b), (a + b, b), (a, 2a + b) \\
& (2a + b, a + b), (a + b, a + 2b), (a + 2b, b), \\
& (a, 3a + b), (3a + b, 2a + b), (2a + b, 3a + 2b), \\
& (3a + 2b, a + b), (a + b, 2a + 3b), (2a + 3b, a + 2b), \\
& (a + 2b, a + 3b), (a + 3b, b), (2a + b, 5a + 3b), \\
& (5a + 3b, 3a + 2b), (3a + 2b, 4a + 3b), (4a + 3b, a + b), \\
& (2a + b, 7a + 4b), (7a + 4b, 5a + 3b), (5a + 3b, 8a + 5b), \\
& (8a + 5b, 3a + 2b), (2a + b, 9a + 5b), (9a + 5b, 7a + 4b), \\
& (7a + 4b, 12a + 7b), (12a + 7b, 5a + 3b), \\
& (5a + 3b, 13a + 8b), (13a + 8b, 8a + 5b), \\
& (8a + 5b, 11a + 8b), (11a + 8b, 3a + 2b), \\
& (5a + 3b, 18a + 11b), (18a + 11b, 13a + 8b), \\
& (13a + 8b, 21a + 13b), (21a + 13b, 8a + 5b) \big\}.
\end{aligned}$$